

MLGPA

Montana Liquid & Gas
Pipeline Association



Coordinated Response Exercise® Pipeline Safety Training For First Responders



Emergency Response Manual

Overview

Operator Profiles

Emergency Response

NENA Pipeline Emergency Operations

Signs of a Pipeline Release

High Consequence Area Identification

Pipeline Industry ER Initiatives

Pipeline Damage Reporting Law

VIEW
INTERACTIVE
CONTENT*



**Instructions on back*

2020

Emergency Contact List

COMPANY	EMERGENCY NUMBER
Bayou Midstream Bakken.....	1-888-489-2747
Belle Fourche Pipeline Company	1-866-305-3741
Bridger Pipeline LLC.....	1-866-305-3741
Butte Pipeline Company	1-866-305-3741
Calumet Montana Refining, LLC	1-406-761-4100
Cenex Pipeline, LLC.....	1-800-421-4122
Colorado Interstate Gas Company	1-877-712-2288
Express Pipeline LLC (Enbridge)	1-888-838-4545
Energy West	1-800-570-5688
Energy West (Cascade county).....	1-406-791-7500
Energy West (Gallatin county)	1-406-646-4437
Energy West (Glacier county).....	1-406-873-5533
Express Pipeline LLC (Enbridge)	1-800-858-5253
Exxon Mobile Pipeline Company.....	1-800-537-5200
Front Range Pipeline, LLC	1-800-421-4122
Havre Pipeline Company.....	1-406-357-2233
Marathon Petroleum Corporation (High Plains Gathering & Processing)	1-866-283-7676
Montana-Dakota Utilities Company	1-800-638-3278
NGL Supply Terminal Company LLC.....	1-918-481-1119
NorthWestern Energy	1-888-467-2669
ONEOK NGL Pipeline, L.L.C.....	1-855-348-7258
ONEOK Rockies Midstream, LLC	1-800-778-7834
Phillips 66 Pipelines LLC.....	1-877-267-2290
Plains Pipeline – Belfield Pipeline	1-800-708-5071
Silver Creek Midstream	1-866-628-1693
TC Energy / Bison Pipeline Pipeline LLC	1-800-447-8066
TC Energy / Northern Border Pipeline Company	1-800-447-8066
WBI Energy Midstream.....	1-888-859-7291
WBI Energy Transmission	1-888-859-7291

**Note: The above numbers are for emergency situations.
Additional pipeline operators may exist in your area.**

Visit the National Pipeline Mapping System at www.npms.phmsa.dot.gov for companies not listed above.

ONE-CALL SYSTEM	PHONE NUMBER
Montana811	1-800-424-5555
Montana 811 (Lincoln and portions of Lake Counties)	1-800-551-8344
National One-Call Referral Number.....	1-888-258-0808
National One-Call Dialing Number	811

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To: ALL EMERGENCY OFFICIALS
From: Paradigm Liaison Services, LLC
Re: Pipeline Emergency Response Planning Information

This material is provided to your department as a reference to pipelines that operate in your state in case you are called upon to respond to a pipeline emergency.

For more information on these pipeline companies, please contact each company directly. You will find contact information for each company represented throughout the material.

This information only represents the pipeline and/or gas companies who work with our organization to provide training and communication to Emergency Response agencies such as yours. There may be additional pipeline operators in your area that are not represented in this document.

For information and mapping on other Transmission Pipeline Operators please visit the National Pipeline Mapping System (NPMS) at:
<https://www.npms.phmsa.dot.gov>.

For information on other Gas and Utility Operators please contact your appropriate state commission office.

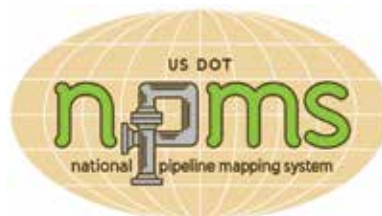
Further product-specific information may be found in the US Department of Transportation (DOT) *Emergency Response Guidebook for First Responders*.

The Guidebook is available at:
<https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/docs/ERG2016.pdf>.

Pipeline Emergency Response **PLANNING INFORMATION**

ON BEHALF OF:

Bayou Midstream Bakken
Belle Fourche Pipeline Company / Bridger Pipeline LLC / Butte Pipeline Company
Calumet Montana Refining, LLC
Cenex Pipeline, LLC.
Colorado Interstate Gas Company
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TC Energy / Bison Pipeline Pipeline LLC
TC Energy / Northern Border Pipeline Company
WBI Energy Midstream
WBI Energy Transmission



Note: The enclosed information to assist in emergency response planning is delivered by Paradigm Liaison Services, LLC on behalf of the above sponsoring companies. Visit the National Pipeline Mapping System at www.npms.phmsa.dot.gov to determine additional companies operating in your area.

Pipeline Purpose and Reliability

- Critical national infrastructure
- Over 2.7 million miles of pipeline provide 65% of our nation's energy
- 20 million barrels of liquid product used daily
- 21 trillion cubic feet of natural gas used annually

Safety Initiatives

- Pipeline location
 - Existing right-of-way (ROW)
- ROW encroachment prevention
 - No permanent structures, trees or deeply rooted plants
- Hazard awareness and prevention methods
- Pipeline maintenance activities
 - Cleaning and inspection of pipeline system

Product Hazards and Characteristics

Petroleum (flow rate can be hundreds of thousands of gallons per hour)

- Flammable range may be found anywhere within the hot zone
- H₂S can be a by-product of crude oil

<u>Type 1 Products</u>	<u>Flash Point</u>	<u>Ignition Temperature</u>
Gasoline	- 45 °F	600 °F
Jet Fuel	100 °F	410 °F
Kerosene	120 °F	425 °F
Diesel Fuel	155 °F	varies
Crude Oil	25 °F	varies

Natural Gas (flow rate can be hundreds of thousands of cubic feet per hour)

- Flammable range may be found anywhere within the hot zone
- Rises and dissipates relatively quickly
- H₂S can be a by-product of natural gas – PPM = PARTS PER MILLION
 - 0.02 PPM Odor threshold
 - 10.0 PPM Eye irritation
 - 100 PPM Headache, dizziness, coughing, vomiting
 - 200-300 PPM Respiratory inflammation within 1 hour of exposure
 - 500-700 PPM Loss of consciousness/possible death in 30-60 min.
 - 700-900 PPM Rapid loss of consciousness; death possible
 - Over 1000 PPM Unconsciousness in seconds; death in minutes
- Incomplete combustion of natural gas may release carbon monoxide
- Storage facilities may be present around populated areas/can be depleted production facilities or underground caverns
- Gas travel may be outside the containment vessel along the natural cavern between the pipe and soil

Highly Volatile Liquids

- Flammable range may be found anywhere within the hot zone
- Products cool rapidly to sub-zero temperatures once outside the containment vessel
- Vapor clouds may be white or clear

<u>Type 3 Products</u>	<u>Flash Point</u>	<u>Ignition Temperature</u>
Propane	- 150 °F	920-1120 °F
Butane	- 60 °F	725-850 °F

Line Pressure Hazards

- Transmission pipelines – steel (*high pressure: average 800-1200psi*)
- Local gas pipeline transmission – steel (*high pressure: average 200-1000psi*)
- Local gas mains and services – steel and/or plastic (*low to medium pressure*)
 - Mains: up to 300psi
 - Service lines: up to regulator
 - Average 30-45psi and below
 - Can be up to 60-100psi in some areas
- At regulator into dwelling: ounces of pressure

Leak Recognition and Response

- Sight, sound, smell – indicators vary depending on product
- Diesel engines – fluctuating RPMs
- Black, dark brown or clear liquids/dirt blowing into air/peculiar odors/dead insects around gas line/dead vegetation
- Rainbow sheen on the water/mud or water bubbling up/frozen area on ground/frozen area around gas meter
- Any sign, gut feeling or hunch should be respected and taken seriously
- Take appropriate safety actions ASAP

High Consequence Area (HCA) Regulation

- Defined by pipeline regulations 192 and 195
- Requires specialized communication and planning between responders and pipeline/gas personnel
- May necessitate detailed information from local response agencies to identify HCAs in area

Emergency Response Basics

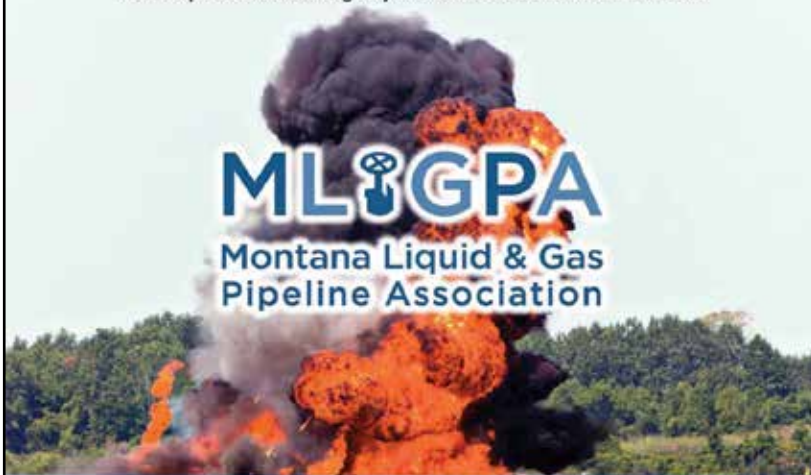
- Always follow pipeline/gas company recommendations – pipeline representatives may need escort to incident site
- Advance preparation
 - Get to know your pipeline operators/tour their facilities if possible
 - Participate in their field exercises/request on-site training where available
 - Develop response plans and practice
- Planning partners
 - Pipeline & local gas companies
 - Police – local/state/sheriff
 - Fire companies/HAZMAT/ambulance/hospitals/Red Cross
 - LEPC/EMA/public officials
 - Environmental management/Department of Natural Resources
 - Army Corps of Engineers/other military officials
 - Other utilities
- Risk considerations
 - Type/volume/pressure/location/geography of product
 - Environmental factors – wind, fog, temperature, humidity
 - Other utility emergencies
- Incident response
 - Always approach from upwind/park vehicle a safe distance away/if vehicle stalls – DO NOT attempt to restart
 - Gather information/establish incident command/identify command structure
 - Initiate communications with pipeline/gas company representative ASAP
 - Control/deny entry: vehicle, boat, train, aircraft, foot traffic, media – refer all media questions to pipeline/gas reps
- Extinguish fires only
 - To aid in rescue or evacuation
 - To protect exposures
 - When controllable amounts of vapor or liquid present
- Incident notification – pipeline control center or local gas company number on warning marker
 - In ***Pipeline Emergency Response Planning Information Manual***
 - Emergency contact list in ***Program Guide***
 - Call immediately/provide detailed incident information
- Pipeline security – assist by noting activity on pipeline/gas facilities
 - Report abnormal activities around facilities
 - Suspicious excavation/abandoned vehicles/non-company personnel/non-company vehicles
 - Freshly disturbed soil/perimeter abnormalities

One-Call

- One-Call centers are not responsible for marking lines
- Each state has different One-Call laws. Familiarize yourself with the state you are working in
- Not all states require facility owners to be members of a One-Call
- You may have to contact some facility owners on your own if they are not One-Call members
- In some states, homeowners must call before they dig just like professional excavators

Pipeline Emergency Response Training

First Responders and Emergency Personnel - Instructor: Robert L. Soto



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Pipeline Incident Response

The Scenario

- 9-1-1 call from an ABC Pipeline employee regarding a black, late model, dually pickup with a female driver
- Female driver exited the vehicle
 - Walked around the ABC Pipeline property
 - Tan jeans, tan shirt, military-type boots
- Pipeline employee did not see any company property tampered with.
- The employee wanted the information logged and would like extra patrol in the area.



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Coordinated Response Events

Man gets 20 years for trying to blow up pipeline (June 2012)

<http://www.fox4news.com/>

Massive explosion at Waukegan silicone plant (May 2019)

<https://wntv.com/2019/05/03/large-explosion-reported-in-waukegan-near-gumeel/>

Deadly home explosion rocks Jeffersonville neighborhood (May 2019)

<https://www.courier-journal.com/story/news/local/2019/05/19/jeffersonville-home-explosion-rocks-neighborhood/3731228092/>

Two women charged with offenses related to pipeline attacks (2017)

<https://www.justice.gov/usao-sdja/pr/two-women-charged-offenses-related-pipeline-attacks>

"Four Necessity Valve Turners" arrested after attempt to manually shut down pipeline valves

<https://www.fournecessity.org>

Be aware of extremist and protester activities.

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Coordinated Response Exercise*

Purpose

1. Learn your responsibility and resources in the event of an emergency
2. Acquaint you with the operator's ability to respond to a pipeline emergency
3. Identify the types of pipeline emergencies
4. Plan how all parties can engage in mutual assistance to minimize hazards to life or property

*Code of Federal Regulations(CFR):49CFR Parts 192 and 195

Roll Call

Law Enforcement, Fire, EMS, Emergency Management, Division of Forest Service,
State & Federal Official, School Official, Others &

Pipeline Operators

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About MLGPA

The Montana Liquid & Gas Pipeline Association (MLGPA) is comprised of pipeline operators in Montana that are dedicated to promoting pipeline safety by providing information for excavators, state residents, businesses, emergency responders, and public officials.



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Local Operator Information*

Specific Jurisdictional Information in Handout

- Operator and/or company name
- Pipeline systems and products
- Location of pipelines
- Pipeline size/operating pressure(s)
- Type of response(s) to a pipeline emergency



*Information in your materials may not represent all pipeline companies in your area

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Program Resources



mlgpa-awareness.org

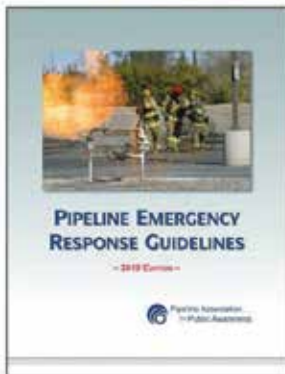


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State Resources

mlgpa.pipelineawareness.org



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Pipeline Mileage Overview*

<u>Pipeline Type</u>	<u>Montana</u>	<u>Nationwide</u>
Hazardous Liquid	3,822	215,622
Gas Transmission	3,870	300,651
Gas Gathering	27	18,382
Gas Distribution Main	7,335	1,295,945
Gas Distribution Service	4,580	927,065
Total Mileage	19,634	2,757,666

*Pipeline and Hazardous Materials Safety Administration (PHMSA)

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Pipeline System Types

Transmission

Can vary in size and have greater flow and pressure than other types of pipelines. They can transport natural gas or other refined products from a gathering, processing, or storage facility to processing, or additional storage facilities.



Distribution

Are unique to natural gas systems. These pipelines are used to deliver product to end-users or customers and are mostly found in populated areas.



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Pipeline System Types

Gathering

Transport gases and liquids, such as oil or natural gas, from the commodity's source to a processing facility and/or storage facilities.



Storage Facilities

Above or underground facilities used to receive and store hazardous liquid or natural gas transported by a pipeline for reinjection and continued transportation.



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Pipeline Operators Emergency Response Plans

Natural Gas and Hazardous Liquids

- Notify appropriate fire, police, and other public officials of **gas** or **liquid** pipeline emergencies and coordinate planned responses and actual responses during an emergency
- Identify the type of incident
- Prompt and effective response measures
- Availability of personnel and equipment
- Make safe any actual or potential hazard to life or property
- Incident investigation and review

Natural Gas (CFR 49 192.615)

- Establish and maintain communication with fire, police and other public officials
- Direct actions to protect people, then property
- Emergency shutdown and pressure reduction to minimize hazards to life or property
- Safely restore service

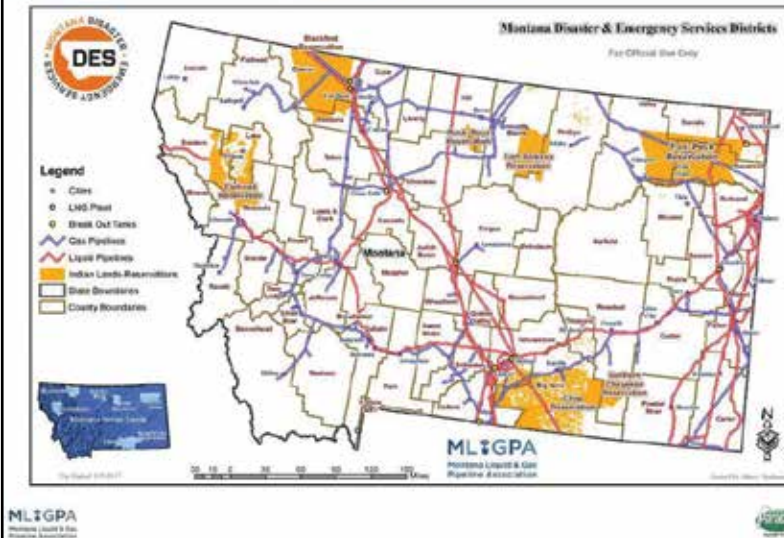
Hazardous Liquid (CFR 49 195.402)

- Take necessary actions, such as emergency shutdown and pressure reduction
- Control of released hazardous liquid or carbon dioxide at scene to minimize hazards
- Minimize public exposure to injury by taking appropriate actions such as evacuations or traffic controls
- Use instrumentation to assess vapor cloud coverage and determine hazardous areas

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Product Characteristics

Hazardous Liquids

(Crude oil, jet fuel, gasoline, other refined products)

Liquid in and liquid out of the pipeline

ER Guide 128 (Page 194)

Highly Volatile Liquids

(Propane, butane, ethane, natural gas liquids)

Liquid in and vapor out of the pipeline

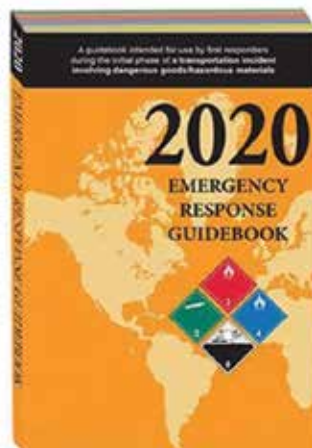
ER Guide 115 (Page 168)

Natural Gas

Gas in and gas out of the pipeline

ER Guide 115 (Page 168)

***Odorant (if added) is Mercaptan**



Product Characteristics

Mobile Application

Android and Iphone

<https://www.phmsa.dot.gov/hazmat/erg/era2016-mobileapp>



ERG 2016 for Android

National Library of Medicine at NIH Maps & Navigation • • • • • 2714

• 5 megapixels 12x

• This app is only for use on your device

• Add to library

• Install

App Store Preview



ERG 2016

National Library of Medicine

• 4 megapixels 12x

• Free



Above Ground Storage Tanks

Tank farms/Terminals

Considerations when responding to tank fires:

Work with your local operator to:

- Develop an effective response plan
- Identify products and hazards
- Determine evacuation radius



Response recommendations:

- Cool containers by flooding with water
- Use unmanned hose holders/monitor nozzles
- Do not direct water at safety devices or icing may occur
- Let product burn, even after supply line/system is closed
- Beware of the potential for **Boiling Liquid Expanding Vapor Explosion (BLEVE)**

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Underground Storage Fields

Emergency Response "Non-Intervention"

- Emergency contact information found on pipeline markers and all wellhead locations
- Always be aware of wind direction; walk into the wind, away from hazardous fumes
- Do not drive into a leak or vapor cloud
- Monitor combustible atmosphere
- Determine hazardous area and escape routes

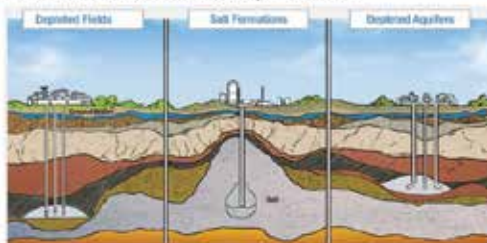


Image Courtesy: EPC's Energy Infrastructure

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Local Distribution Systems

- Be aware not all natural gas leaks are from excavation; unintended leaks from stoves, water heaters, furnaces, etc.
- **Caution:** use combustible gas indicators on sites when called out on natural gas leak events
- Mercaptan can be stripped as it travels through soil
- Service lines may be separated from the meter when damaged underground
- Frost heaves, breaking pipes
- Gas meters break due to snow buildup from melting snow falling from roofs



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Excess Flow Valve (EFV)

Local Distribution Lines

- Automatic reduction of gas flow should service line break
- **May not** completely stop the flow of natural gas
- **May not** hear a distinct hissing sound
- Migration and ignition sources may still exist
- Always work a coordinated response with your local operator



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Not all service lines have an EFV installed



National Emergency Number Association

Pipeline Emergency Operations Standard

NENA's Pipeline Emergency Operations Workgroup Recommendations

- Awareness of pipelines affecting the 911 Service Area
- Pipeline leak recognition and initial response actions
- Additional notifications to pipeline operators

Initial Intake Checklist

- Quick reference guide in program materials



Pipeline Emergency Operations Standard / Model Recommendations

- Access the full report through NENA.ORG

"Actions taken during this time frame significantly impact the effectiveness of the response and are critical to public safety"

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Coordinated Response Exercise



Exercise Assumptions and Artificialities

In any exercise, assumptions and artificialities may be necessary to complete play in the time allotted and/or account for logistical limitations.

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Objectives Review*

- ✓ Learned the responsibility and resources
- ✓ Acquainted you with the operator's ability to respond to a pipeline emergency
- ✓ Identified the types of pipeline emergencies
- ✓ Planned how all parties can engage in mutual assistance to minimize hazards to life or property

*Code of Federal Regulations (CFR): 49 CFR Parts 192 and 195



Coordinated Response Events

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<http://www.fox4news.com/>

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"Four Necessity Valve Turners" arrested after attempt to manually shut down pipeline valves

<https://www.fournecessity.org>

Be aware of extremist and protester activities.



State Resources

Visit MLGPA's website at
mlgpa.pipelineawareness.org/

- View and register for MLGPA Meetings
- View and download MLGPA Member Operator Profiles
- Learn about Montana's One-Call Law
- Learn about Montana's state pipeline regulatory agency
- **Fill out your agency's capability survey annually or if any changes occur throughout the year**
 - Fergus County won a \$2,000 grant from MLGPA for submitting their capability survey at the 2019 Spring meetings.



Block I: Scenario and Response Questions

Pipeline Scenario

At 6:00 a.m. today the ABC Pipeline Operator arrives at the facility and begins inspecting an above-ground valve site. He immediately notices four metal cylinders with closed ends; red, black and white wires around the cylinders; a pressure switch, 9-volt battery, a device resembling a cell phone and duct tape holding the metal cylinders to the gate valve.

Based on scenario information provided, participate in a discussion concerning the key issues raised in Block I. Identify any additional requirements, critical issues, decisions, or questions that should be addressed at this time. Be prepared to share your table discussion with the entire group.

Discussion Questions

Following the initial 911 call and subsequent mobilization of the response resources assigned by dispatch:

- Pipeline personnel: What are the Pipeline Company's initial actions in response to this call (Emergency Response Plan)?
- What agencies and/or departments should be notified and who makes that call?
- Once on the scene, what are the actions of the local Pipeline Operator?

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, leaving small margins at the top and bottom. There are no vertical margin lines, text, or other markings on the page.

Block II: On-Scene Response Questions

Briefing Update

Emergency responders have arrived on scene. An Incident Command Post (ICP) has been set up nearby. While gathered at the ICP, on scene personnel monitor bomb technicians. The technician utilizes a robot to monitor the device, with the assistance of support personnel.

Without warning, an audible ringing sound is heard coming from the IED, followed by the device detonating a few seconds later. While the product isn't on fire, it is releasing from the facility now.

Based on the scenario information provided, participate in a discussion concerning the key issues raised in Block II. Identify any additional requirements, critical issues, decisions, or questions that should be addressed at this time.

Discussion Questions

Given our shared priorities of preserving life, property, and the environment:

- How will the emergency services, pipeline operators, and excavators stay in communication?
- What factors would help determine the appropriate protective action(s) for this incident?
 - Shelter-in-place
 - Evacuation
- Pipeline personnel: Given the detonation, what procedures will your control center (SCADA system) and field personnel follow?
- What sources can you use to find information about product hazards and characteristics?

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Block III: Expansion or Demobilization

Briefing Update

The local pipeline operator has advised that the process of closing remote valves and “drawing down” the product in the affected area has begun.

Local first responders and elected officials (city and county) have arrived on scene and are requesting to speak with command staff.

A television station has arrived on-scene and is also requesting to speak with command staff. They are broadcasting live from the scene.

Based on scenario information provided, participate in a discussion concerning the key issues raised in Block III. Identify any additional requirements, critical issues, decisions, or questions that should be addressed at this time.

Discussion Questions

Given the situation as it currently stands:

- Pipeline personnel: How long will it take to stop the flow of product?
- Who will coordinate the actions of the excavators on scene?
- Is there the potential for federal and state agencies to be involved in this incident?
- How will emergency responders and the pipeline company coordinate to inform the media?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.**
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a "P" may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.
- **If molten aluminum is involved, refer to GUIDE 169.**

HEALTH

- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire may produce irritating, corrosive and/or toxic gases.
- Vapors may cause dizziness or suffocation.
- Runoff from fire control or dilution water may cause pollution.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available appropriate telephone numbers can be found in the Emergency Response Guidebook.**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.

Small Fire

- Dry chemical, CO₂, water spray or regular foam.

Large Fire

- Water spray, fog or regular foam.

- Use water spray or fog; do not use straight streams.
- Move containers from fire area if you can do it without risk.

Fire involving Tanks or Car/Trailer Loads

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Prevent entry into waterways, sewers, basements or confined areas.
- A vapor suppressing foam may be used to reduce vapors.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean non-sparking tools to collect absorbed material.

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

PRODUCT: Crude Oil	
DOT GUIDEBOOK ID #: 1267	GUIDE #: 128

PRODUCT: Diesel Fuel	
DOT GUIDEBOOK ID #: 1202	GUIDE #: 128

PRODUCT: Jet Fuel	
DOT GUIDEBOOK ID #: 1863	GUIDE #: 128

PRODUCT: Gasoline	
DOT GUIDEBOOK ID #: 1203	GUIDE #: 128

Refer to the Emergency Response Guidebook for additional products not listed.

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **EXTREMELY FLAMMABLE..**
- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- **CAUTION: Hydrogen (UN1049), Deuterium (UN1957), Hydrogen, refrigerated liquid (UN1966) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)**
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.
- Ruptured cylinders may rocket.

HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available appropriate telephone numbers can be found in the Emergency Response Guidebook.**
- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Many gases are heavier than air and will spread along ground and collect in low

- or confined areas (sewers, basements, tanks).
- Keep out of low areas.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- **DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. CAUTION: Hydrogen (UN1049), Deuterium (UN1957) and Hydrogen, refrigerated liquid (UN1966) burn with an invisible flame. Hydrogen and Methane mixture, compressed (UN2034) may burn with an invisible flame.**

Small Fire

- Dry chemical or CO2.

Large Fire

- Water spray or fog.
- Move containers from fire area if you can do it without risk.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.

- Prevent spreading of vapors through sewers, ventilation systems and confined areas.

- Isolate area until gas has dispersed.

CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

PRODUCT: Propane	
DOT GUIDEBOOK ID #: 1968	GUIDE #: 115

PRODUCT: Butane	
DOT GUIDEBOOK ID #: 1075	GUIDE #: 115

PRODUCT: Ethane	
DOT GUIDEBOOK ID #: 1035	GUIDE #: 115

PRODUCT: Propylene	
DOT GUIDEBOOK ID #: 1075/1077	GUIDE #: 115

PRODUCT: Natural Gas Liquids	
DOT GUIDEBOOK ID #: 1972	GUIDE #: 115

Refer to the Emergency Response Guidebook for additional products not listed.

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **EXTREMELY FLAMMABLE.**
- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- **CAUTION: Hydrogen (UN1049), Deuterium (UN1957), Hydrogen, refrigerated liquid (UN1966) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)**
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- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Many gases are heavier than air and will spread along ground and collect in low

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- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.

- Isolate area until gas has dispersed.
- **CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.**

FIRST AID

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- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

DOT GUIDEBOOK ID #:	GUIDE #:
1971	115

CHEMICAL NAMES:

- Natural Gas
- Methane
- Marsh Gas
- Well Head Gas
- Fuel Gas
- Lease Gas
- Sour Gas*

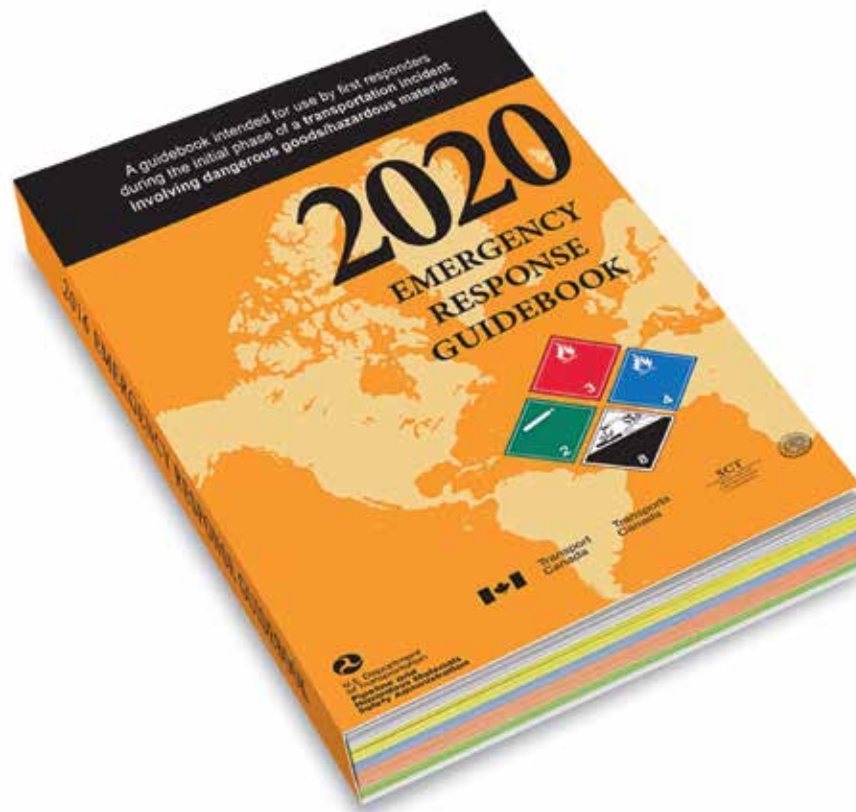
CHEMICAL FAMILY:

Petroleum Hydrocarbon Mix: Aliphatic Hydrocarbons (Alkanes), Aromatic Hydrocarbons, Inorganic Compounds

COMPONENTS:

Methane, Iso-Hexane, Ethane, Heptanes, Propane, Hydrogen Sulfide*, (In "Sour" Gas), Iso-Butane, Carbon, Dioxide, n-Butane, Nitrogen, Pentane Benzene, Hexane, Octanes

Product INFORMATION



The Emergency Response Guidebook is available at:
<https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/docs/ERG2016.pdf>



This app is only available on the App Store for iOS devices.



820 Gessner Rd. Suite 1450
Houston, TX 77024
Phone: (346) 249-3200
Website: www.bayoumidstream.com

WHO IS BAYOU MIDSTREAM BAKKEN

Bayou Midstream Bakken, LLC is a wholly owned subsidiary of Bayou Midstream, LLC. We operate a crude gathering system with just under 10 miles of low-pressure crude 4" pipe. Our pipeline system is 100% within Richland County Montana.

If you observe any unusual or suspicious activity near our pipeline facilities or in the unlikely event an emergency occurs, please call us at any time using one of the numbers listed in this document.

More information on Bayou Midstream Bakken can be found at: www.bayoumidstream.com.

WHAT ARE THE SIGNS OF A CRUDE OIL PIPELINE LEAK?

- The pooling of liquid on the ground
- An odor like petroleum liquids or gasoline
- A sheen on the surface of water
- An area of dead vegetation

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a crude oil fueled fire
- Do not attempt to operate any pipeline valves

PIPELINE SAFETY

Many pipeline releases are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but we request your help to notify us.

ALWAYS CALL 811 BEFORE YOU DIG!

PIPELINE LOCATION AND MARKERS

Pipeline markers are used to indicate the approximate location of a crude oil pipeline and to provide contact information. Markers should never be removed or relocated by anyone other than a pipeline operator.



EMERGENCY CONTACT:

1-888-489-2747

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil 1267 128

MONTANA COUNTIES OF OPERATION:

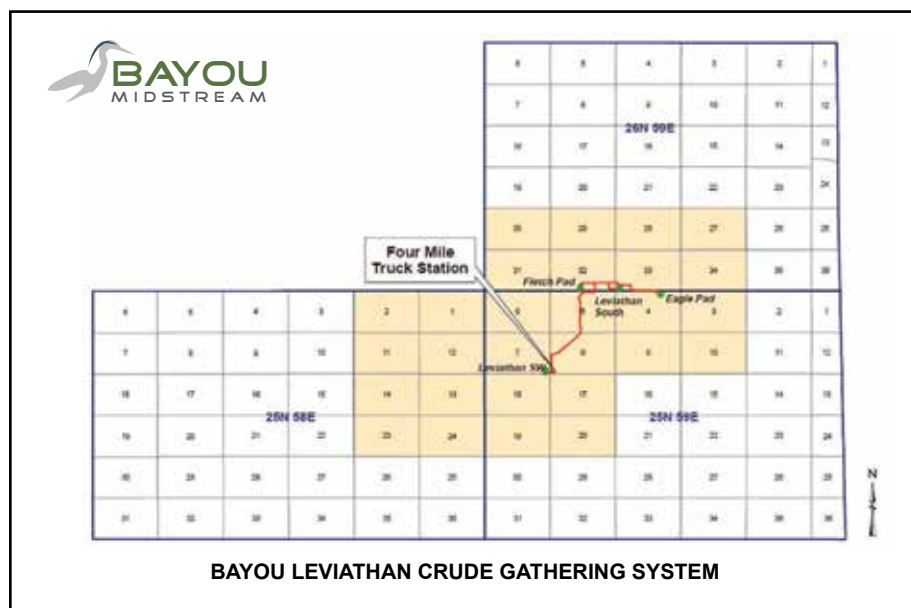
Richland

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

Bayou Midstream Bakken is fully committed to the safety and health of our employees and neighbors. Additionally, the environment we work and operate in is extremely important to us. We view ourselves as a steward of the land moving your energy by means of the safest way possible.





Bridger Pipeline LLC owns and operates the Poplar System and Four Bears System in eastern Montana. Poplar is a 10" and 12" line that has the ability to gather crude oil at Poplar, Fisher, Richey and Glendive for delivery to Butte Pipeline at Baker for further transportation to Guernsey, Wyoming. The Poplar Pipeline is part of the "Eastern Corridor" with a capacity of around 30,000 bpd. Bridger's Four Bears Pipeline is a 10" line that transports crude from various pipelines in North Dakota to Butte Pipeline at Baker, Montana for further transportation to Guernsey, Wyoming and has a capacity of about 75,000 bpd. Butte Pipeline operated by Bridger Pipeline LLC is a 16", 323 mile crude oil pipeline system from Baker, Montana to Ft. Laramie

and Guernsey, Wyoming. The system gathers crude from the Cedar Creek Anticline area near Baker and transports crude via other incoming pipelines such as crude from the Williston Basin and Eastern Montana. Belle Fourche Pipeline Company is a liquids pipeline operator that gathers and transports about 50,000 bpd of crude oil in the Williston Basin of western North Dakota and the Powder River Basin of Wyoming. Belle Fourche Pipeline Company, Bridger Pipeline LLC, and Butte Pipeline Company are a system of pipelines operating over 3,400 miles of pipeline. Safety is of utmost priority to Belle Fourche Pipeline Company, Bridger Pipeline LLC, and Butte Pipeline Company. An excellent pipeline safety record is achieved

EMERGENCY CONTACT:

1-866-305-3741

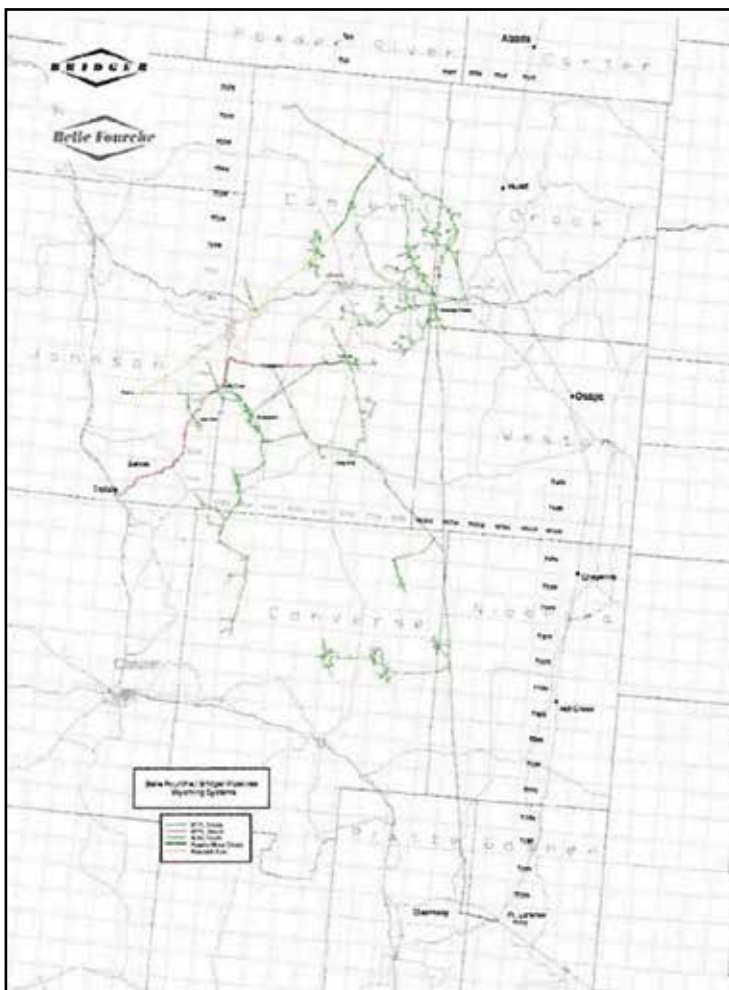
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1268	127
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MONTANA COUNTIES OF OPERATION:

Carter	Richland
Dawson	Roosevelt
Fallon	Sheridan
Powder River	Wibaux
Prairie	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



through employment of highly qualified staff that is thoroughly trained in a variety of pipeline operation, maintenance and safety related issues. In the event of an emergency, our staff are readily trained, prepared and equipped to respond to any emergency in a safe and environmentally responsible manner.

Headquarters:

Belle Fourche Pipeline Company
Bridger Pipeline LLC
Butte Pipeline Company
PO Drawer 2360
455 North Poplar
Casper, WY 82601
Phone: 800-442-2966
Website: www.truecos.com



Montana Refining Company, Inc. operates a 2.6 mile petroleum pipeline (Crude Oil) in your area as shown on the map below.

- Pool of liquid on the ground
- Discolored or dying pipeline covering vegetation
- Unusual odor
- Fire at or near exposed pipeline or apparently emanating from the ground

If you notice any of these conditions report it immediately to Montana Refining Company, Inc.

CMR Pipeline is committed to the safe, environmentally sound, and efficient operation of our pipelines near your residence or place of business. In the event of an emergency, CMR Pipeline will send personnel to the site to help public safety officials. We will take all the necessary steps to minimize the danger, such as stopping pumps and closing valves. Only authorized CMR employees are to operate pipeline safety equipment. Improper operation of safety equipment could cause more damage and even bodily injury. For more information on our pipeline safety program, contact CMR at 1-406-761-4100.

1-406-761-4100

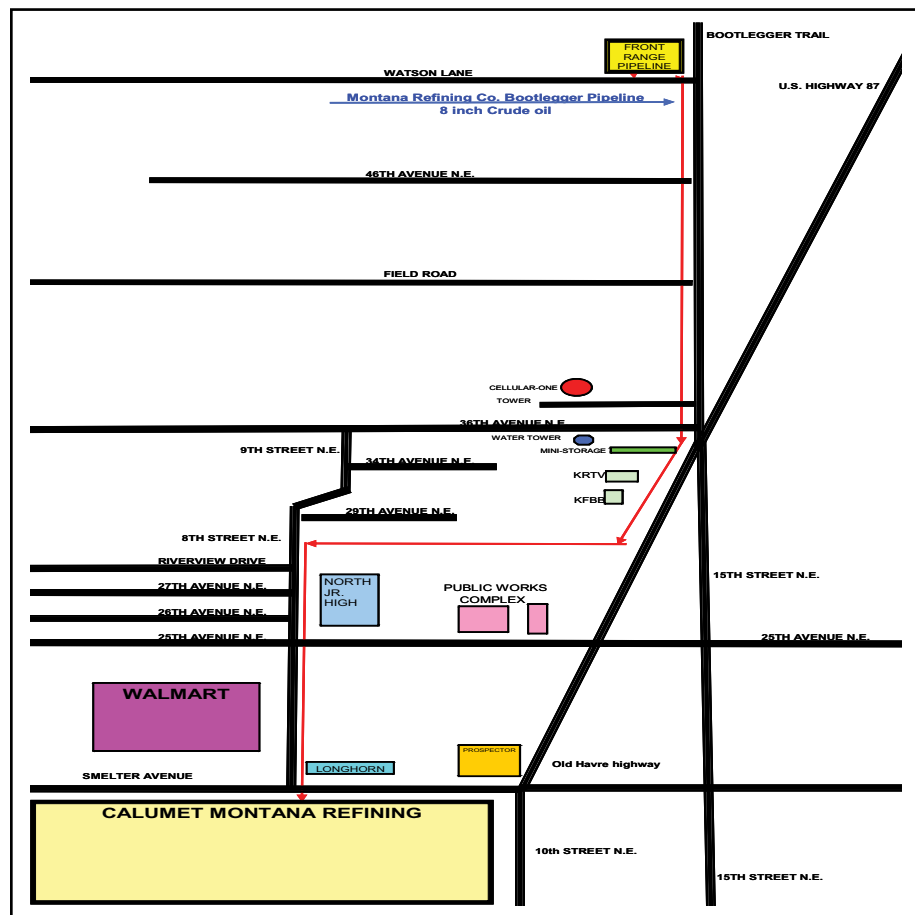
**MONTANA
COUNTIES OF OPERATION:**

Cascade

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

CMR's Non-Emergency contact name and number:

Shannon Chouinard – Env. Specialist
Joe Dauner – Env. Manager
Calumet Montana Refining, LLC
1-406-761-4100
Montana Utility Call Center
1-800-424-5555





Cenex Pipeline, LLC. a whole-owned subsidiary of CHS Inc.

803 Highway 212
Laurel, MT 59044
Non-Emergency Phone: (855) 4-CHSPIPE
Email: publicawareness@chsinc.com
Website: www.chsinc.com/pipelines

CENEX PIPELINE, LLC.

Cenex Pipeline, LLC. (CPL) is owned and operated by CHS Inc. CPL transports an average of 43,000 barrels of refined products a day. It spans more than 680 miles across Montana and North Dakota. CPL transports refined petroleum products from refineries in the Laurel area to terminals and tank farms in Billings, MT; Glendive, MT; Minot, ND and Fargo, ND.

CPL is continually working to improve its ability to serve its cooperative owners. To ensure a reliable supply of gasoline and diesel fuel for our farmer-owners and customers. As a further commitment to our communities, CPL is in the process of replacing the 8" segment of line from Sidney, MT to Minot, ND with a state of the art 10" pipeline and plan to activate the line in 2020.



EMERGENCY CONTACT: 1-800-421-4122

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Gasoline	1203	128
Diesel Fuel	1202/1993	128

MONTANA COUNTIES OF OPERATION:

Big Horn	Richland
Custer	Rosebud
Dawson	Treasure
Prairie	Yellowstone

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

COMMITMENT TO SAFETY, HEALTH, AND ENVIRONMENT

CPL is committed to operating our pipelines safely and protecting our employees, communities and our environment. Part of this is achieved through public education and we believe furthering the general awareness of the public and being transparent to the issues surrounding our pipeline operations creates a safer system. This has included the development, implementation, and management of a Public Awareness Program (PAP). Through these efforts, CPL will enhance public safety, and reduce the risk of third-party damage to the pipeline system. The company and its management will provide the needed support, resources, and funding required to accomplish these goals. CPL's highest priority is the transportation of products throughout its system in a reliable, safe and compliant manner. CPL is dedicated to these goals and follows all applicable pipeline rules and regulations. Ensuring the mechanical integrity of its pipeline system is an important ingredient toward accomplishing our goals. To this end, CPL has created and implemented a comprehensive pipeline Integrity Management Plan (IMP). For additional information, contact us via email, phone or visit our web site as listed above.

CENEX PIPELINE, LLC PIPELINE MARKER TYPES



Pipeline Markers always tell you three critical pieces of information:

1. The product being transported.
2. Name of the company.
3. The 24/7 emergency number.

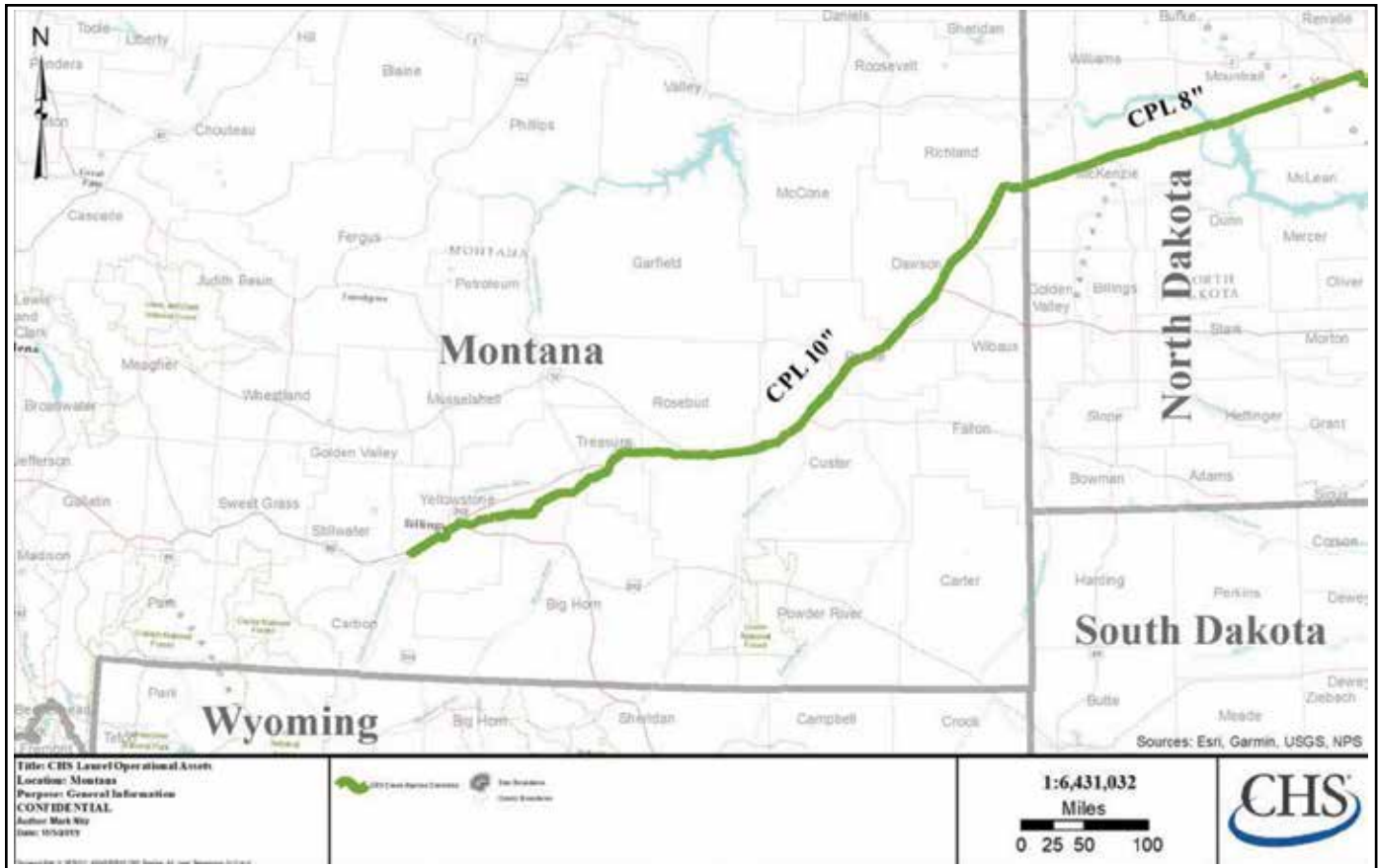
If an emergency situation should arise or you see something suspicious look for pipeline markers in the area. Call 911 first, then emergency number on the nearest pipeline marker.





Cenex Pipeline, LLC. a whole-owned subsidiary of CHS Inc.

803 Highway 212
 Laurel, MT 59044
 Non-Emergency Phone: (855) 4-CHSPIPE
 Email: publicawareness@chsinc.com
 Website: www.chsinc.com/pipelines





With approximately 62,000 miles of pipelines, Kinder Morgan is the largest natural gas transporter and largest storage operator in North America. Our pipelines reach deep into the traditional Gulf Coast supply areas, the prolific Rockies supply basins, and many important natural gas shale plays including Eagle Ford, Haynesville, Fayetteville, Barnett, Utica and Marcellus that will play a significant role in meeting the nation's long-term natural gas supply. We serve the major consuming markets of the entire United States.

COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

In Oklahoma our pipelines transport natural gas. We monitor our operations 24-hours a day, every day. We ensure public safety and safe pipeline operations through employee training, regular testing, right-of-way aerial and foot patrols and adherence to our comprehensive Integrity Management plan and procedures.

In addition to our 24-hour monitoring and ongoing safety and security procedures, Kinder Morgan relies on information from neighbors, contractors and government and safety officials to help local field personnel protect the pipeline and identify possible damage or suspicious activity.

Headquarters:

Rocky Mt. Division Office
2 North Nevada Avenue
Colorado Springs, CO 80903
Phone: 719-329-5636

Local Office:

Rawlins Area Office
P. O. Box 370
Sinclair, WY 82334
Phone: 307-324-5840

EMERGENCY CONTACT:

1-877-712-2288

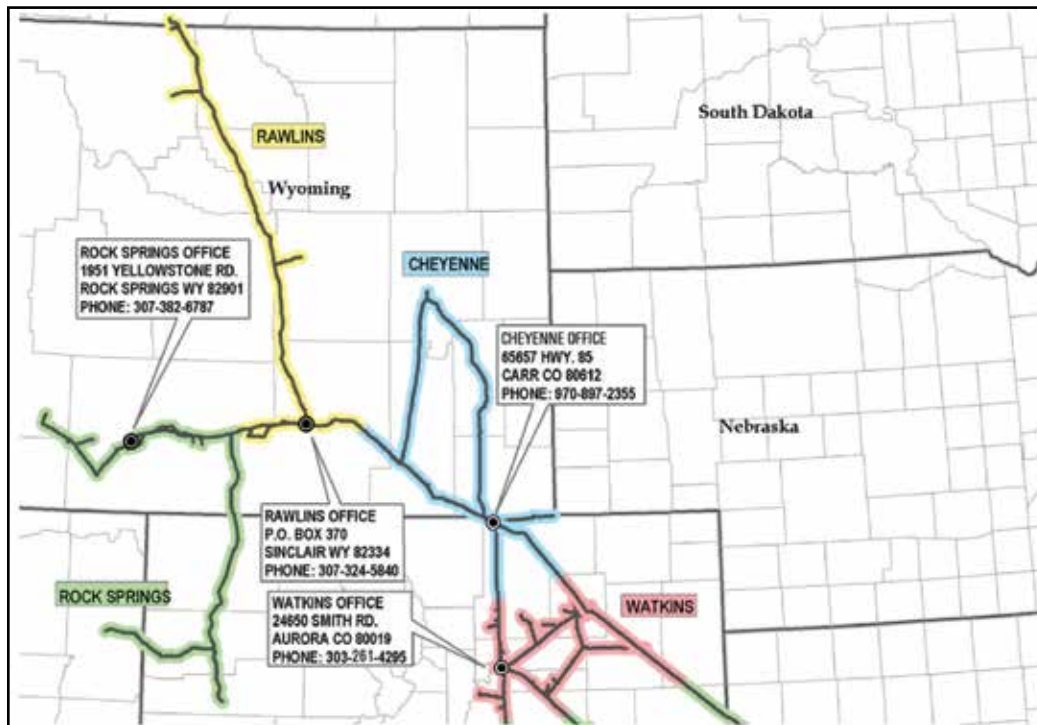
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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MONTANA COUNTIES OF OPERATION:

Carbon

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





Energy West, Incorporated distributes and sells natural gas to end use residential, commercial and industrial customers. It distribute natural gas to approximately 32,000 customers and propane to approximately 30 customers through regulated utilities operating in Montana. The company's Montana public utility was originally incorporated in 1909 and is headquartered in Great Falls, Montana.

EMERGENCY CONTACT:

1-800-570-5688

1-406-791-7500 - Cascade

1-406-646-4437 - Gallatin

1-406-873-5533 - Glacier

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
Propane	1978/1075	115

MONTANA COUNTIES OF OPERATION:

Cascade	Glacier
Gallatin	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

In the unlikely event of a pipeline emergency, our employees are prepared to respond in coordination with local policy and fire departments and other emergency responders. We meet with these responders to discuss our emergence response plans and the plans are designed to protect people, the environment and property. The safety of people and the environment is the company's first priority and a key part of achieving the company's vision.

Headquarters:

Energy West
1 First Avenue South
Great Falls, MT 59403
(406) 791-7500

Energy West Montana

904 9th Street North
Great Falls, MT 59401
Above address is for distribution lines in Cascade County. Natural Gas and Propane. (406) 791-7500

Energy West West Yellowstone

PO Box 582
145 Geyser Street
West Yellowstone, MT 59758
Above address is for distribution lines in Galatin County.
Natural Gas. 1-406-646-4437

Cut Bank Gas Company

403 East Main Street
Cut Bank, MT. 59427
Above address is for distribution lines in Glacier County.
Natural Gas. 1-406-873-5533





5400 Westheimer Court
Houston, TX 77056
Emergency Phone: 1-800-858-5253
Public Awareness: 1-888-293-7867
Email: USpublicawareness@enbridge.com
Website: www.enbridge.com

Life takes energy: to heat our homes, to feed our families, to fuel our vehicles. Enbridge connects people to the energy they need to help fuel their quality of life.

In the United States alone, more than two million miles of pipelines deliver petroleum and natural gas products. Every year, Enbridge invests in the latest technology and training to meet the high environmental and safety standards our neighbors expect, and to keep pipelines the safest, most efficient and most reliable way to move energy resources.

Our safety measures

Safety is, and always will be, our number one priority. Our team devotes hundreds of thousands of hours every year to keep our systems running smoothly and without incident. We invest heavily in safety measures including:

- High-quality pipeline material and protective coating
- Pressure tests on new and existing pipelines
- Inspection and preventative maintenance programs
- Round-the-clock monitoring for pipelines and facilities
- Aerial and ground patrols along the pipeline right-of-way
- Automatic shut-off and remote control valves
- Emergency response training and drills for employees and local emergency responders
- Inspection and preventative maintenance programs

What if there is an emergency?

Enbridge facilities are designed to be quickly isolated with block valves for rapid containment in the event of an emergency. We have pre-arranged plans with local emergency personnel and periodically conduct emergency drills with these groups.

Emergency responder education program

Enbridge offers a free online education program to provide public safety and local public officials with the information needed to safely and effectively respond to a pipeline emergency. This program focuses on information specific to the disciplines of firefighting, law enforcement, 9-1-1 dispatch, emergency medical services, emergency management and local government. Additionally, course completion may count for state-level continuing education (CE) credits. Register for the training at mypipelinetraining.com.

Call or click before you dig

811 and **ClickBeforeYouDig.com** are free services designed to keep you safe when digging. Calling or clicking is always the safest option anytime you are moving dirt. At least two to three business days before your project (depending on state law), simply call 811 or visit **ClickBeforeYouDig.com** with important details about your work, including:

- The type of work you'll be doing and a description of the area
- The date and time your project will begin
- Your worksite's address, the road on which it's located and the nearest intersection
- Driving directions or GPS coordinates
- Within two to three business days, professional locators will mark underground utility lines—including pipelines (marked with yellow flags or paint)—so you can work around them, saving yourself from possible injury or property damage.

Pipeline location and markers

All pipeline markers provide the name of the pipeline operator, product being transported and a telephone number for reporting pipeline emergencies. These markers should never be used as a reference for a pipeline's exact location.

EMERGENCY CONTACT:

1-800-858-5253

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
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MONTANA COUNTIES OF OPERATION:

Carbon	Judith Basin
Chouteau	Sheridan
Fergus	Stillwater
Golden Valley	Wheatland
Hill	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.





Making the most of energy resources is about more than oil and gas production — it is about forming a global partnership for development, and creating and delivering sustainable, long-term benefits to local communities. Our community involvement extends beyond philanthropy to job creation and supporting local businesses. We become an active participant in every community where we operate, and we are committed to making a positive and lasting contribution built on mutual trust and respect.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

ExxonMobil Pipeline Company (EMPCo) Safety, Health and Environment (SHE's) mission is to implement and maintain the highest standards of integrity, including safety, health, environmental management, emergency response and regulatory compliance, to meet or exceed the company's operational, financial and other goals as well as the expectations of the public.

Headquarters:

ExxonMobil Corporation
5959 Las Colinas Boulevard
Irving, Texas 75039
Website: www.exxonmobil.com

Local Office:

ExxonMobil Pipeline Company
607 ExxonMobil Refinery Road
Billings, MT 59101

EMERGENCY CONTACT:

1-800-537-5200

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
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MONTANA COUNTIES OF OPERATION:

Carbon	Yellowstone
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Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Front Range Pipeline, LLC



Headquarters:

P.O. Box 909
803 Highway 212 South
Laurel, MT 59044

Toll Free Non-Emergency: 1-888-4-CHSPIPE

Email: publicawareness@chsinc.com

Website: www.chsinc.com/pipelines

Front Range Pipeline, LLC (FRPL) is headquartered in Laurel, Mont., and is owned by CHS, Inc. an American, farmer-owned cooperative. FRPL transport's more than 65,000 barrels crude oil from the Canadian Border to refineries in Great Falls, Laurel and Billings, MT area. FRPL moves product across 389 miles of pipeline in MT, with storage facilities in Santa Rita, Cutbank, Buffalo, Laurel and Billings. We are only located in Montana and on average spend over \$4,000,000 dollars a year in State property taxes. These taxes go to support our schools, roads, and local community services.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

As a large and diverse business serving many stakeholders, including customers, employees, communities and owners, CHS maintains the highest commitment to "doing the right thing." That means meeting regulatory compliance in our

daily business operations, our financial reporting and our environmental, health and safety programs. As subsidiaries of CHS, Cenex Pipeline, LLC and Front Range Pipeline, LLC. are fully committed to operating a safe and reliable hazardous liquid pipeline system in Montana and North Dakota.



PRODUCT	LEAK TYPE	VAPORS
HAZARDOUS LIQUIDS [PREDOMINANTLY CRUDE OIL, BUT MAY ALSO INCLUDE DIESEL FUEL, JET FUEL, GASOLINE, AND OTHER REFINED PRODUCTS]	Liquid	Initially heavier than air and spread along ground and collect in low or confined areas. Vapors may travel to source of ignition and flash back. Explosion hazards indoors, outdoors or in sewers.
HEALTH HAZARDS	Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution.	

EMERGENCY CONTACT:

1-800-421-4122

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil 1267/3494 128/131

MONTANA COUNTIES OF OPERATION:

Cascade	Stillwater
Fergus	Toole
Glacier	Teton
Golden Valley	Wheatland
Judith Basin	Yellowstone
Pondera	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Marathon Petroleum Corporation
539 S. Main St.
Findlay, OH 45840
www.marathonpetroleum.com



COMPANY PROFILE

Andeavor has joined Marathon Petroleum Corp. (NYSE: MPC) to become a leading U.S. refining, marketing and midstream company. MPC is the nation's largest refiner, with a crude oil refining capacity of more than 3 million barrels per calendar day in its 16-refinery system. MPC's high-quality, nationwide retail and marketing business includes approximately 3,900 company-owned and operated stores and 7,800 branded locations. MPC also owns the general partners of MPLX LP and Andeavor Logistics LP, two strong, customer-focused midstream master limited partnerships.

ENVIRONMENTAL, HEALTH & SAFETY COMMITMENT

At Marathon Petroleum, we are committed to conducting business in a manner that promotes the safety, health and security of those working and living in communities near our facilities, while protecting the environment and sustaining the ecosystems in which we do business.

Environment

We operate in environmentally sensitive and diverse locations that have varying and complex regulations. We use and strengthen our procedures, programs, tools and systems to assist us in managing compliance with existing regulations and to establish processes that allow continuous improvement and go beyond regulatory compliance. To do this, we develop locally managed goals and performance targets. At a corporate level, we review our management of key material issues, including our environmental footprint.

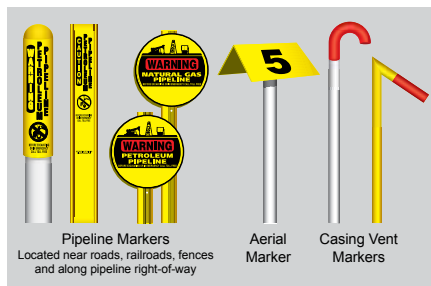
Health & Safety

Marathon Petroleum is committed to operating our refineries, pipelines, retail stations and other facilities in a manner that promotes the safety, health and security of our employees, our customers and the communities where we do business. Continuously improving personal and process safety is one of our core values. Our goal targets zero incidents that harm our employees, contractors or neighbors, or put our facilities at risk.

MARATHON PIPELINE LOCATION AND MARKERS

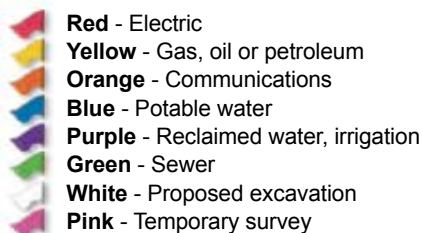
Examples of pipeline markers that can be found along Marathon Petroleum pipeline systems are shown below. These are important indicators of where pipeline systems are located, as most pipelines are underground. Marathon Petroleum's emergency response contact number

is located on the marker for reporting any leaks, unauthorized excavation or suspicious activities near the pipeline system.



Excavators, developers, homeowners or anyone planning excavation activities are required to call 811 at least two days prior to starting any work. Qualified Marathon pipeline operators will mark the location of the pipeline in accordance with APWA and state specific marking requirements.

You'll know what's below by the different flags, stakes and paint



**Know what's below.
Call before you dig.**

ADDITIONAL INFORMATION

Marathon Petroleum -
www.marathonpetroleum.com

Approximate location of pipelines in your area: www.npms.phmsa.dot.gov

EMERGENCY CONTACT:

1-866-283-7676

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil 1267 128

Andeavor MSDS Sheets: <http://www.andeavor.com/responsibility/health-safety/safety-data-sheets/>

MONTANA COUNTIES OF OPERATION:

Dawson

Richard

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

EMERGENCY RESPONSE

Marathon Petroleum's goal is to share information pertinent to emergency preparedness and response with local emergency officials upon request. However, it is critical to recognize the signs of a leak and prepare the appropriate response.

Warning Signs:

- A pool of liquid on the ground
- A rainbow sheen on the water
- Continuous bubbling in water
- Discolored or dead vegetation
- Dirt or water being blown into the air
- White vapor cloud
- Frozen areas or vegetation
- Unusual hissing or roaring sound
- Odors such as gasoline, oil, sulfur and rotten eggs

Emergency Response:

- DO Eliminate all ignition sources - all equipment used must be grounded
- DO NOT touch or walk through spilled material
- DO stand upwind
- DO Isolate spill or leak area for at least 100 meters (330 feet) in all directions
- DO Keep unauthorized personnel away
- DO call 911 and evacuate the area in case of emergency
- DO NOT attempt to turn valves
- DO NOT attempt to move vehicles or equipment from the area



Montana-Dakota Utilities Co.
400 N. Fourth St.
Bismarck, ND 58501
Website: www.montana-dakota.com

PIPELINE PURPOSE AND RELIABILITY

Montana-Dakota Utilities Co. (MDU) operates approximately 7,500 miles of main line natural gas facilities. This natural gas is delivered for household, commercial and industrial use. MDU operates a safe and efficient pipeline distribution network of stations, mains, services and meters. Natural gas is the most popular home heating fuel in America, and the pipelines are among the safest and most secure methods of transporting energy.

In addition, pipeline operators are extensively regulated by federal and state regulations with regard to design, construction, operation and maintenance. The natural gas industry works diligently to stay abreast of new safety methods and technologies to ensure the highest levels of security. MDU maintains memberships in industry associations, and we continually evaluate our security procedures for enhancement. At MDU our primary goal is to deliver natural gas reliably and safely to you, our customer. In doing so, we want you to know what to do if you ever smell gas or if a natural gas pipeline emergency occurs where you live or work.

HAZARD AWARENESS & PREVENTION MEASURES

Natural gas pipelines have the best safety record of any type of transportation system in the United States. Natural gas is clean, convenient and efficient, which makes it the popular energy of choice. Like all forms of energy, however, it

must be handled properly. Despite an excellent safety record, a gas leak caused by damage to a pipeline may pose a hazard and has the potential to ignite. MDU works diligently to ensure the safety of our pipeline through a variety of measures.

UTILITY MARKERS

For your safety, markers show the approximate location of pipelines and identify the companies that own and operate them. Markers may be anywhere along the right-of-way or directly over the pipelines. The pipeline may not follow a straight course between markers. While markers are helpful in locating pipelines,



EMERGENCY CONTACT: 1-800-638-3278

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:
Natural Gas 1971 115

MONTANA COUNTIES OF OPERATION:

Big Horn	Powder River
Carbon	Prairie
Carter	Richland
Custer	Roosevelt
Dawson	Stillwater
Fallon	Valley
McCone	Wibaux
Phillips	Yellowstone

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

they provide limited information. They provide no information, for example, on depth or number of pipelines in the right-of-way. The markers can be found where pipelines intersect a street, highway or railroad. These markers display the material transported in the pipeline, the name of the pipeline operator, and telephone number where the pipeline operator can be reached in the event of an emergency. You should be aware of any pipeline markers in your neighborhood and, if possible, write down the name and phone numbers appearing on the pipeline markers in case of an emergency.

For additional information please contact MDU at awareness@mdu.com or 1-800-638-3278.



NGL SUPPLY TERMINAL COMPANY LLC

NGL Supply Terminal Company LLC is a midstream company engaged in natural gas liquids (NGL's) transportation, supply, marketing, propane terminal operations and risk management services. It is one of the largest private propane terminal operators in the industry.

NGL Supply Terminal Company LLC operates a 9 mile steel pipeline from Hiland Partners Gas Plant to the NGL Sidney Terminal. The entire pipeline is located in Richland County.

Through its supply and marketing activities, NGL Supply Terminal Company LLC delivers NGL products in 46 states. NGL Supply Terminal's propane supply business sells more than 19 million barrels per year through exclusive customer contracts, while its marketing business sells more than 13 million barrels per year of refinery and petrochemical feedstock supplies to end users.

NGL Supply Terminal Company LLC owns and operates 15 private propane terminals six states with combined throughput capacity of more than 400 million gallons per year. All 15 of the terminals operate 24 hours a day, seven days a week, and serve customers throughout the Mid-South and Midwestern United States.

Additionally, NGL Supply Terminal Company LLC provides its customers with a variety of risk management services.

NGL Supply Terminal Company LLC's assets enable the company to provide services throughout the United States.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

For additional information about NGL Supply Terminal Company LLC, please contact:

Phone: (918) 481-1119

Fax: (918) 492-0990

Email: info@nglep.com

Mail: NGL Supply Terminal Company LLC
6120 S. Yale Ave, Ste 805
Tulsa, OK 74136

Headquarters:

NGL Supply Terminal Company LLC
6120 S. Yale Ave, Ste 805
Tulsa, OK 74136

Local Office:

Sidney Terminal
35251 County Road 128
Sidney, MT 59270

EMERGENCY CONTACT:

1-918-481-1119

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas Liquids	1971	115
Butane	1075	115
Propane	1075	115

MONTANA COUNTIES OF OPERATION:

Richland

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Montana Natural Gas Fact Sheet

OUR SERVICE

We transmit natural gas in Montana from production receipt points and storage facilities to distribution points and other nonaffiliated transmission systems.

- 2,100 miles of transmission pipelines
 - 2" to 24" diameter pipelines
 - 130 city gate stations
- Connections with four major nonaffiliated transmission systems
 - Williston Basin Interstate Pipeline
 - NOVA Gas Transmission Ltd.
 - Colorado Interstate Gas
 - Spur Energy
- 7 compressor stations capable of moving more than 335,000 dekatherms per day
- Own and operate a pipeline border crossing from Canada through our wholly owned subsidiary, Canadian-Montana Pipe Line Corporation

- 17.75 Bcf of gas storage capacity
 - Own and operate three working natural gas storage fields
 - Maximum aggregate daily deliverability of approximately 195,000 dekatherms per day

OUR COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

NorthWestern Energy is committed to public safety, protection of the environment, and operation of its facilities in compliance with all applicable rules and regulations. NorthWestern Energy adheres to the regulatory oversight of the Office of Pipeline Safety in the U.S. Department of Transportation. The company is proud of its safety record and follows many regulations and procedures to monitor and ensure the integrity of its pipelines.

EMERGENCY CONTACT:

1-888-467-2669

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

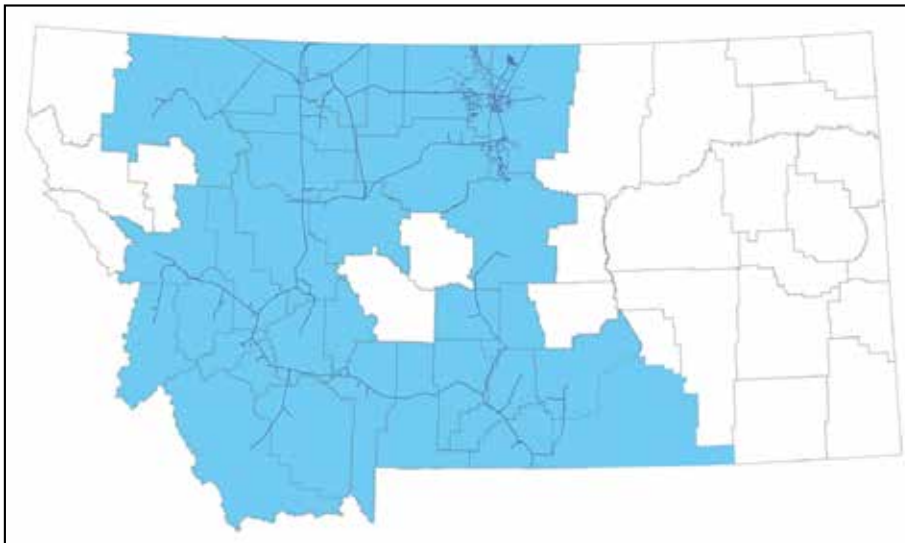
Natural Gas 1971 115

MONTANA COUNTIES OF OPERATION:

Beaverhead	Lewis and Clark
Big Horn	Liberty
Blaine	Madison
Broadwater	Missoula
Carbon	Park
Cascade	Pondera
Chouteau	Powell
Deer Lodge	Ravalli
Fergus	Silver Bow
Flathead	Stillwater
Gallatin	Sweet Grass
Glacier	Teton
Golden	Toole
Granite	Valley
Hill	Wheatland
Jefferson	Yellowstone

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

OUR NATURAL GAS TRANSMISSION LINES AND DISTRIBUTION SERVICE AREA



- 190,000 gas distribution customers in 105 communities
- 4,700 miles of distribution gas mains
- 2,100 miles of transmission pipelines
- 16 bcf of gas storage

For additional resources specifically concerning natural gas training and/or review of NorthWestern Energy's emergency response plan contact:

Teresa McGrath
Phone: (406) 497-2446
teresa.mcgrath@northwestern.com

Barry J. O'Leary
Phone: (406) 497-2406
barry.oleary@northwestern.com

EMERGENCY CONTACT:

MT: 1-888-467-2669

We're on call 24 hours a day to respond to your emergencies. Make sure you place your call from a telephone located far enough away from the danger area.

Be sure to tell us the following information:

- The location including the street address and city where the incident is taking place
- Details of the incident
- Whether gas is leaking or burning inside or outside
- Details of any evacuations (numbers of people affected and the area affected)
- Your name and organization pipelines

NATURAL GAS INCIDENTS

Please familiarize yourself with the general rules presented within this chart.

When Natural Gas is Escaping Outside and Burning	When Natural Gas is Escaping Inside and Burning
<ol style="list-style-type: none"> 1. Clear the area. 2. Call NorthWestern Energy for the gas service technician on duty. 3. Let the natural gas burn until the source of the fuel is shut off. 4. Prevent ignition of nearby combustibles. 	<ol style="list-style-type: none"> 1. Clear the area. 2. Call NorthWestern Energy for the gas service technician on duty. 3. Let the fire burn until the gas has been shut off. 4. Shut off gas at the meter.
When Natural Gas is Escaping Outside and Not Burning	When Natural Gas is Escaping Inside and Not Burning
<ol style="list-style-type: none"> 1. Clear the area. 2. Call NorthWestern Energy for the gas service technician on duty. 3. Close air intake sources, such as windows, doors, and ventilation systems in nearby windows. 4. Reroute or restrict traffic. 5. Remove or extinguish open flames. 6. Prohibit smoking. 7. Do not use anything electrical including lights, switches, or phones, or take any other actions that might produce sparks. Turn any equipment or vehicles off, if possible, because running equipment can be a source of ignition. Leave the equipment in place - do not try to move it out of the gaseous environment. 	<ol style="list-style-type: none"> 1. Clear the area. 2. Call NorthWestern Energy for the gas service technician on duty. 3. Turn off gas supply. 4. Eliminate sources of ignition. 5. Ventilate the building by opening windows and doors. 6. Do Not - <ul style="list-style-type: none"> • Allow smoking • Ring the doorbell • Use the telephone • Operate electrical switches (on and off) • Pull the electric meter • Use power fans or exhausters
<p>If it is necessary to close or turn off a natural gas valve before your NorthWestern Energy gas service technician arrives, leave it closed until NorthWestern Energy personnel can restore service.</p>	



ONEOK
NGL PIPELINE
A SUBSIDIARY OF ONEOK



Local Office:
3335 E. Colorado Blvd.
Spearfish, SD 57783

ONEOK Plaza
100 West Fifth Street
Tulsa, OK 74103
Phone: 918-588-7000
Website: www.oneok.com

ABOUT ONEOK, INC.

ONEOK, Inc. is a leading midstream service provider that owns one of the nation's premier natural gas liquids systems, connecting NGL supply in the Mid-Continent, Permian and Rocky Mountain regions with key market centers and an extensive network of natural gas gathering, processing, storage and transportation assets.

ONEOK applies our core capabilities of gathering, processing, fractionating, transporting, storing and marketing natural gas and NGLs through vertical integration across the midstream value chain to provide our customers with premium services while generating consistent and sustainable earnings growth.

In Montana, ONEOK NGL Pipeline LLC operates 271 miles of natural gas pipeline with the pipeline diameters ranging between 4"-12".

COMMITMENT TO SAFETY, HEALTH & THE ENVIRONMENT

ONEOK is committed to operating in a safe, reliable, environmentally responsible and sustainable manner. Environmental, safety and health is our primary focus at ONEOK. ONEOK is purposeful in improving employee and process safety. Our key performance indicators keep ONEOK focused improving results. We continue to make improvements in reducing our environmental impact by conserving resources, recycling and utilizing efficient technologies.

EMERGENCY NOTIFICATION(S) :

Call 911 first when requiring assistance in responding to a pipeline event.

Call ONEOK's 24 hour emergency number 855-348-7258 and provide the following information:

- Location;
- Nature of the problem; and
- A telephone number at which a responsible person can be contacted.

EMERGENCY RESPONSE PERSONNEL

Although Emergency Officials are familiar with the steps required to safeguard the public, ONEOK has planned responses to unique emergency situations that may arise with its pipeline facilities and operations. It is important that ONEOK practice their emergency response efforts to be prepared when an unlikely event occurs.

EMERGENCY RESPONSE PLANS

ONEOK has developed specific facility response plans based on the knowledge of its own personnel, available equipment, tools and materials. These plans are accessible at each facility. This document provides a general overview of ONEOK's capabilities. For more detailed information or to review the Emergency Response Plan, please contact Donnie Krumsiek at 918-561-8019.

MUTUAL UNDERSTANDING

In the unlikely event of a pipeline emergency, ONEOK employees are prepared to respond in coordination with local police and fire departments and other emergency responders. We meet with responders to discuss our emergency response plans and each plan is designed to protect people, the environment and property.

If a pipeline event occurs, emergency response officials will be notified, and ONEOK operations personnel will be dispatched to the site. ONEOK response personnel will respond putting safety first in their response efforts.

If you or another emergency response organization established an Incident Command Center prior to the arrival of ONEOK personnel, the first ONEOK employee who arrives at the site should be introduced to the Incident Commander as the ONEOK Representative..

PUBLIC SAFETY AND EVACUATIONS

Evacuation plans and procedures should reflect your department's available assets and capabilities of your emergency

EMERGENCY CONTACT:

1-855-348-7258

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas Liquids 1972 115

MONTANA COUNTIES OF OPERATION:

Carter	Richland
Fallon	Wibaux

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

response organization. Expert knowledge of your area is key to creating the best evacuation, traffic control and rerouting, and railroad stoppage plans in order to limit public exposure and minimize accidental ignition.

ONEOK will provide product hazard information to the emergency responders to assist in establishing safe zones relative to the products which are being transported through the pipeline system. These established safe zones will assist in identification of those whom may be requested to evacuate the area.

FIRE OR EXPLOSION

ONEOK does not employ dedicated fire response personnel and must rely on the capabilities of local emergency responders. ONEOK through memberships in state pipeline associations, provide training opportunities to Emergency Responders. Other agencies, including the State Fire Marshall's office may also provide pipeline emergency response training. The U.S. Department of Transportation Emergency Response Guidebook provides information on potential hazards, public safety and emergency response.

RESCUE OR MEDICAL DUTIES

Emergency response personnel will be contacted to assist with any needed rescue. Coordination will be made with emergency services and/or with a local

hospital or medical provider in the event of a medical emergency.

PIPELINE EQUIPMENT AND FACILITIES

Federal law requires that pipeline operators to have specific training when operating a pipeline system. ONEOK requests that Emergency Officials not attempt to operate pipeline valve or equipment. In doing so, these actions may worsen an event.

BOMB OR SECURITY THREAT

ONEOK relies on the public to be its eyes and ears along the pipeline. If you witness any act of vandalism, loitering, receive a bomb threat involving a ONEOK facility or other suspicious activity along the right of way or pipeline facility, please report it immediately to the ONEOK's Pipeline Control Center at 855-348-7258.

NATURAL DISASTERS

When a natural disaster (hurricane, storm, flood, tornado, volcano or earthquake) strikes or is pending, the area will be closely monitored. Pipeline facilities will be inspected after the disaster. ONEOK personnel may contact emergency officials to assist in identifying any road closures that may hamper accessibility to the facility. If damage occurs in your area please contact ONEOK and a field employee will respond to the concern or damage which has been reported.



RIGHT-OF-WAY ACTIVITY

One of the greatest threats to safe pipeline operation is the accidental damage caused by excavation, construction, farming activities, and homeowner construction and maintenance. Awareness is crucial in preventing these accidents. Call IMMEDIATELY if you see suspicious or questionable activity near the pipeline right of way.

Be aware that pipelines frequently share rights of way with other utilities (electric power lines, additional pipelines) or modes of transportation (roadways, railroads, etc.). Incidents such as lightning strikes, fires, train derailments, etc. on or near the right of way can damage an underground pipeline. Should incidents such as these occur and a pipeline operated by ONEOK is nearby, please call the ONEOK emergency number at 855-348-7258 to report the incident.

NATIONAL PIPELINE MAPPING SYSTEM

The US Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Pipeline Safety has created a web-based system to assist emergency responders in locating

and identifying pipelines within their area as well as the Operator of the pipeline system.

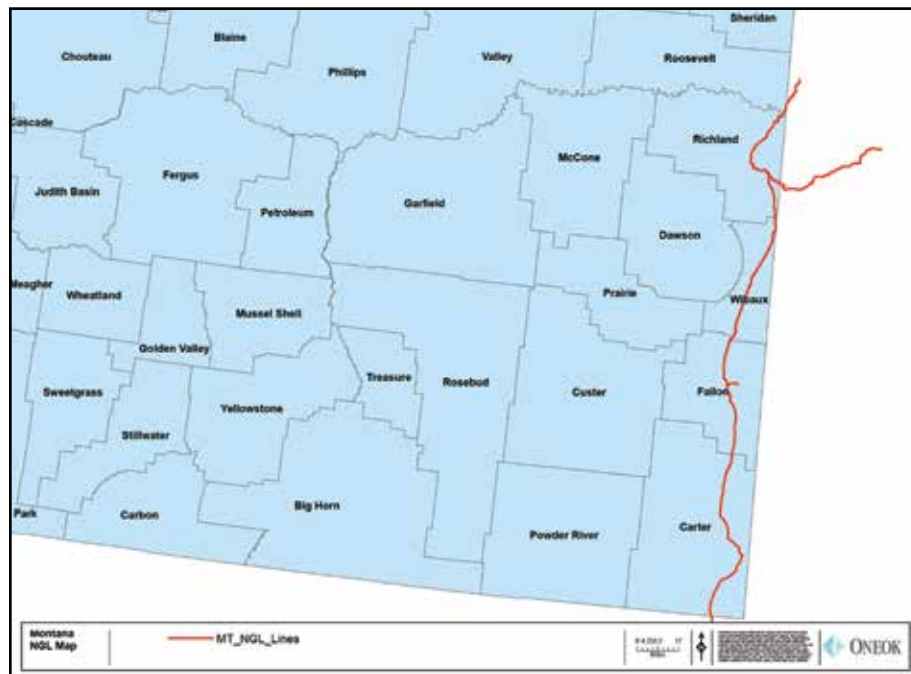
Not all of ONEOK pipelines are included in the NPMS mapping system. Production, distribution and gathering pipelines are exempt from reporting pipelines into the National Pipeline Mapping System.

INTEGRITY MANAGEMENT

In accordance with federal regulatory requirements, ONEOK has developed a hazard assessment program known as an Integrity Management Plan (IMP). This plan focuses on the identification and mitigation of hazards to the pipeline system. Specific information about ONEOK's program may be found by contacting our Integrity Manager, Scott Henderson at ScottBrian.Henderson@oneok.com.

CLOSURE

ONEOK values Emergency Officials and Responders. We appreciate the knowledge and capabilities each responder brings when assisting in a pipeline emergency. If ONEOK can offer your department any additional information, please contact us.



**CONTACT
US**

publicawareness@oneok.com | 1-918-561-8019 | www.oneok.com
Emergency Number: 1-855-348-7258



Local Office:
896 25th Street SE
Sidney, MT 59270

ONEOK Plaza
100 West Fifth Street
Tulsa, OK 74103
Phone: 918-588-7000
Website: www.oneok.com

ABOUT ONEOK, INC.

Oneok Rockies Midstream, LLC is a wholly owned subsidiary of ONEOK, Inc. The company's natural gas gathering and processing segment gathers, compresses and transports raw natural gas through pipelines to our processing facilities for the removal of water vapor, solids and other contaminants and the extraction of valuable natural gas liquids. The liquids in the form of a mixed NGL stream are generally shipped to fractionators, where by applying heat and pressure, the mixed NGL stream is separated into marketable products and sold to refineries or local markets. The remaining residue gas, which consists primarily of methane, is compressed and delivered to natural gas pipelines for transportation to the end user. These activities are conducted through ONEOK Field Services Company (OFS) and Oneok Rockies Midstream, LLC. These activities are conducted in Oklahoma, Kansas, North Dakota, Montana and Wyoming.

In Montana, ONEOK Rockies Midstream LLC operates 1251 miles of natural gas pipeline with the pipeline diameters ranging between 2"-20".

COMMITMENT TO SAFETY, HEALTH & THE ENVIRONMENT

ONEOK is committed to operating in a safe, reliable, environmentally responsible and sustainable manner. Environmental, safety and health is our primary focus at ONEOK. ONEOK is purposeful in improving employee and process safety. Our key performance indicators keep ONEOK focused improving results. We continue to make improvements in reducing our environmental impact by conserving resources, recycling and utilizing efficient technologies.

EMERGENCY NOTIFICATION(S) :

Call 911 first when requiring assistance in responding to a pipeline event.

Call ONEOK's 24 hour emergency number 800-778-7834 and provide the following information:

- Location;
- Nature of the problem; and
- A telephone number at which a responsible person can be contacted.

EMERGENCY RESPONSE PERSONNEL

Although Emergency Officials are familiar with the steps required to safeguard the public, ONEOK has planned responses to unique emergency situations that may arise with its pipeline facilities and operations. It is important that ONEOK practice their emergency response efforts to be prepared when an unlikely event occurs.

EMERGENCY RESPONSE PLANS

ONEOK has developed specific facility response plans based on the knowledge of its own personnel, available equipment, tools and materials. These plans are accessible at each facility. This document provides a general overview of ONEOK's capabilities. For more detailed information or to review the Emergency Response Plan, please contact Donnie Krumsiek at 918-561-8019.

MUTUAL UNDERSTANDING

In the unlikely event of a pipeline emergency, ONEOK employees are prepared to respond in coordination with local police and fire departments and other emergency responders. We meet with responders to discuss our emergency response plans and each plan is designed to protect people, the environment and property.

If a pipeline event occurs, emergency response officials will be notified, and ONEOK operations personnel will be dispatched to the site. ONEOK response personnel will respond putting safety first in their response efforts.

If you or another emergency response organization established an Incident Command Center prior to the arrival of ONEOK personnel, the first ONEOK employee who arrives at the site should be introduced to the Incident Commander as the ONEOK Representative..

EMERGENCY CONTACT:

1-800-778-7834

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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MONTANA COUNTIES OF OPERATION:

Fallon	Roosevelt
Richland	Sheridan

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

PUBLIC SAFETY AND EVACUATIONS

Evacuation plans and procedures should reflect your department's available assets and capabilities of your emergency response organization. Expert knowledge of your area is key to creating the best evacuation, traffic control and rerouting, and railroad stoppage plans in order to limit public exposure and minimize accidental ignition.

ONEOK will provide product hazard information to the emergency responders to assist in establishing safe zones relative to the products which are being transported through the pipeline system. These established safe zones will assist in identification of those whom may be requested to evacuate the area.

FIRE OR EXPLOSION

ONEOK does not employ dedicated fire response personnel and must rely on the capabilities of local emergency responders. ONEOK through memberships in state pipeline associations, provide training opportunities to Emergency Responders. Other agencies, including the State Fire Marshall's office may also provide pipeline emergency response training. The U.S. Department of Transportation Emergency Response Guidebook provides information on potential hazards, public safety and emergency response.

RESCUE OR MEDICAL DUTIES

Emergency response personnel will be contacted to assist with any needed rescue. Coordination will be made with emergency services and/or with a local hospital or medical provider in the event of a medical emergency.

PIPELINE EQUIPMENT AND FACILITIES

Federal law requires that pipeline operators to have specific training when operating a pipeline system. ONEOK requests that Emergency Officials not attempt to operate pipeline valve or equipment. In doing so, these actions may worsen an event.

BOMB OR SECURITY THREAT

ONEOK relies on the public to be its eyes and ears along the pipeline. If you witness any act of vandalism, loitering, receive a bomb threat involving a ONEOK facility or other suspicious activity along the right

of way or pipeline facility, please report it immediately to the ONEOK's Pipeline Control Center at 800-778-7834.

NATURAL DISASTERS

When a natural disaster (hurricane, storm, flood, tornado, volcano or earthquake) strikes or is pending, the area will be closely monitored. Pipeline facilities will be inspected after the disaster. ONEOK personnel may contact emergency officials to assist in identifying any road closures that may hamper accessibility to the facility. If damage occurs in your area please contact ONEOK and a field employee will respond to the concern or damage which has been reported.

RIGHT-OF-WAY ACTIVITY

One of the greatest threats to safe pipeline operation is the accidental damage caused by excavation, construction, farming activities, and homeowner construction and maintenance.

Awareness is crucial in preventing these accidents. Call IMMEDIATELY if you see suspicious or questionable activity near the pipeline right of way.

Be aware that pipelines frequently share rights of way with other utilities (electric power lines, additional pipelines) or modes of transportation (roadways, railroads, etc.). Incidents such as lightning strikes, fires, train derailments, etc. on or near the right of way can damage an underground pipeline. Should incidents such as these occur and a pipeline operated by ONEOK is nearby, please call the ONEOK emergency number at 800-778-7834 to report the incident.

NATIONAL PIPELINE MAPPING SYSTEM

The US Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Pipeline Safety has created a web-based system to assist emergency responders in locating and identifying pipelines within their area as well as the Operator of the pipeline system.

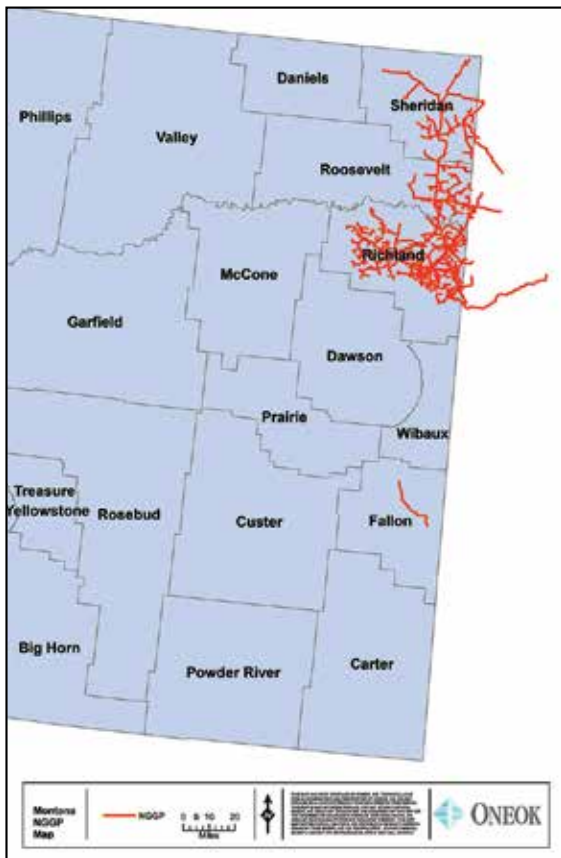
Not all of ONEOK pipelines are included in the NPMS mapping system. Production, distribution and gathering pipelines are exempt from reporting pipelines into the National Pipeline Mapping System.

INTEGRITY MANAGEMENT

In accordance with federal regulatory requirements, ONEOK has developed a hazard assessment program known as an Integrity Management Plan (IMP). This plan focuses on the identification and mitigation of hazards to the pipeline system. Specific information about ONEOK's program may be found by contacting our Integrity Manager, Scott Henderson at ScottBrian.Henderson@oneok.com.

CLOSURE

ONEOK values Emergency Officials and Responders. We appreciate the knowledge and capabilities each responder brings when assisting in a pipeline emergency. If ONEOK can offer your department any additional information, please contact us.



**CONTACT
US**

publicawareness@oneok.com | 1-918-561-8019 | www.oneok.com
Emergency Number: 1-800-778-7834



Phillips 66
Pipeline LLC

Pipelines in Montana

Critical information about Phillips 66 Pipeline LLC operations in Montana

Phillips 66 Pipeline LLC owns or operates approximately 1,500 miles of pipeline and 5 storage terminals in Montana.

Operating with Integrity

Pipelines are the most reliable method to move energy products, helping to meet our nation's growing economic and energy needs. They operate under many government regulations and industry standards. These measures address all aspects of pipeline operation, such as where and how they are built, operated, tested and maintained – and Phillips 66 Pipeline LLC strives to exceed each requirement and best practice.

Committed to Safety and Reliability

Our commitment to safety goes further, with the goal that everyone who lives or works near our assets is aware of our lines and facilities, adopts safe digging practices, learns the signs of a pipeline leak and knows how to quickly respond if he or she suspects a problem.

As part of our on-going damage prevention program, we employ many tactics to ensure the safety of our communities.

Emergency Response Capabilities

Phillips 66 Pipeline LLC has committed resources to prepare and imple-

ment its emergency response plans and has obtained, through contract, the necessary private personnel and equipment to respond to a worst case discharge, to the maximum extent practical.

Communications

Phillips 66 Pipeline LLC utilizes a 24-hour Control Center as a hub of communication in emergency response situations. On-site communications are conducted using cellular phones; 6 GHz analog 120-channel microwave radios located in company vehicles; and portable radios and/or land-line telephone systems from facilities and offices.

Incident Command System

Phillips 66 Pipeline LLC utilizes an expandable Incident Command System. Personnel and federal, state and local agencies may be integrated into the Unified Command Structure, scalable to the size and complexity of an incident.

Spill Response Equipment

Phillips 66 Pipeline LLC maintains emergency response trailers and equipment at strategically-located

Products Transported by Phillips 66 Pipeline LLC:

Crude Oil	Gasoline
Diesel Fuel	Jet Fuel

Counties of Operation:

Big Horn	Missoula
Broadwater	Musselshell
Cascade	Park
Chouteau	Pondera
Fergus	Powell
Gallatin	Sanders
Glacier	Stillwater
Golden Valley	Sweet Grass
Granite	Teton
Jefferson	Wheatland
Judith Basin	Yellowstone
Lewis & Clark	

24-Hour Emergency Contact Number: 1-877-267-2290

Headquarters:
Phillips 66 Pipeline LLC
2331 CityWest Blvd
Houston TX 77042

Montana Office:
Mike Kuntz, Supervisor
3180 Hwy 12 East
Helena MT 59601
406-441-4747

www.phillips66pipeline.com

facilities containing spill boom (of various types, sizes and lengths, as needed), absorbent materials, boats, motors, hand and power tools, pumps, hoses, personal protective equipment (PPE), first aid and miscellaneous supplies. Each trailer is inspected and the equipment is deployed during drills on a regular basis.

Oil Spill Contractors

Certified Oil Spill Response Organizations (OSROs) are under contract by Phillips 66 Pipeline LLC for use in

this area. Marine Spill Response Corp. (MSRC) and associated STAR Contractors are used globally, while OSROs that are close to assets in this area are also identified and under contract for use in an incident.

The Phillips 66 Pipeline LLC Emergency Response Action Plan (ERAP) contains specific contact and resource information for these companies. In addition, these OSROs are invited to participate in training and pre-planning exercises with Phillips 66 Pipeline LLC local and regional response teams.

OSROs are invited to participate in training and pre-planning exercises with Phillips 66 Pipeline LLC local and regional response teams. OSROs and Co-Ops can be relied upon for an appropriate level of response, with spill response equipment and trained personnel.

Response Plans and Maps

To view and download emergency response plans and procedures, visit <https://www.phillips66pipeline.com/my-account/login/>. To view and obtain GIS map files of our locations, visit <http://npms.phmsa.dot.gov>.

Phillips 66 Pipeline LLC Operations in Montana



Products Transported by Phillips 66 Pipeline LLC:

Crude Oil	Gasoline
Diesel Fuel	Jet Fuel

Counties of Operation:

Big Horn	Missoula
Broadwater	Musselshell
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Golden Valley	Sweet Grass
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www.phillips66pipeline.com



Plains All American offers crude oil pipeline transportation services in most onshore producing regions in the U.S. and Canada. Our pipeline activities are conducted through Plains Pipeline, L.P. and Plains Marketing Canada, L.P.

The Belfield District pipeline gathers crude oil from production sites and transports the oil cross country to various destinations in North Dakota and Montana.

The Rocky Mountain Pipeline System gathers crude oil from production sites and transports the oil cross country to various destinations in Montana, Wyoming, and Colorado.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

Plains All American and its affiliated limited partnerships adhere to high standards of environmental quality and are committed to providing a work place that protects the health and safety of our employees and the communities surrounding our facilities. In fulfillment of this commitment, the Partnership will:

- Comply with the laws, rules and regulations that pertain to the environment, health and safety, a business.
- Verify compliance through self monitoring programs and regular facility assessments, and in a timely manner, correct any conditions in our operations that have a

significant adverse health, safety or environmental impact.

- Train and empower each employee to recognize his or her responsibility and accountability to perform all activities in a manner that is safe for the employee, their co-worker and the environment.
- Establish and maintain corporate controls, including periodic reviews, to ensure that the Partnership's policy is being properly implemented and maintained.
- Participate when possible with government on a federal, state, and local level in creating reasonable and attainable regulations to safeguard the community, workplace and the environment.

EMERGENCY CONTACT: 1-800-708-5071

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Crude Oil	1267	128

MONTANA COUNTIES OF OPERATION:

Carbon	Sheridan
Richland	Yellowstone

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Assess potential environmental, health or safety liabilities prior to the sale, lease, transfer or purchase of real property.
- Establish programs to analyze and mitigate risks, investigate significant environmental and safety incidents, and prepare for and respond to emergencies.

Headquarters:

333 Clay Street Suite 1600
Houston, TX 77002
Website: www.paalp.com

Local Office:

Belfield Office
P.O. Box 708
Belfield, ND 58622





ABOUT SILVER CREEK MIDSTREAM

Red Butte Pipeline LLC (a wholly owned subsidiary of Silver Creek Midstream Holdings, LLC) is the new owner and operator of record for Marathon Pipe Line LLC's existing Red Butte Pipeline. The Red Butte Pipeline System totals 530 miles and operates in Park, Big Horn, Washakie, Hot Springs and Fremont Counties in Wyoming, and Carbon County in Montana.

SCMPR, LLC (a wholly owned subsidiary of Silver Creek Midstream Holdings, LLC) is the new owner and operator of record for Genesis Energy's existing Powder River Operating System. The Powder River System totals 83 miles of transmission pipeline and operates in Campbell, Johnson, Converse, and Natrona Counties in Wyoming.

WHAT DOES SILVER CREEK MIDSTREAM DO IF A LEAK OCCURS?

To prepare for the event of a leak, Silver Creek Midstream regularly communicates, plans and trains with local emergency responders.

Upon the notification of an incident or leak the pipeline company will immediately dispatch trained personnel to assist emergency responders.

Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Silver Creek Midstream is strongly committed in our efforts to maintain high standards of performance in health, safety and the environment for our employees and the communities in which we operate. We have a strong safety record and a commitment to raising the public's awareness of pipelines and we are engaged in continuous activity to maintain the integrity and safety of these pipelines and follow all applicable state and federal regulations/laws.

PRODUCTS TRANSPORTED

Product: Crude Oil

Leak Type: Liquid

Vapors: Initially heavier than air and spread along ground and collect in low or confined areas. Vapors may travel to source of ignition and flash back. Explosion hazards indoors, outdoors or in sewers.

Health Hazards: Inhalation or contact with material may irritate or burn skin

EMERGENCY CONTACT:

1-866-628-1693

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
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MONTANA COUNTIES OF OPERATION:

Carbon

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/situations that could occur at one of our facilities. For more information regarding Silver Creek Midstream's emergency response plans and procedures, contact us at 469-614-2240.

HOW TO GET ADDITIONAL INFORMATION

For additional information go to www.scmidstream.com or contact us at 469-614-2240.



Crude pipeline diameter: 10", 12" and 16"



Regional Office Contact – Bison Pipeline:
 Borders West Region - Dakota Area Office
 36997 128th St.
 Wetonka, SD 57481
 Office: 605-226-2259
 www.transcanada.com

PROJECT OVERVIEW

Bison Pipeline, LLC, entered commercial service on January 14, 2011. Bison is an interstate natural gas pipeline designed to transport gas from the Powder River Basin to the Midwest market. The pipeline provides producers in the Powder River Basin with additional natural gas pipeline capacity to access and meet increasing natural gas demand of the Midwest.

Bison is operated by TC Energy.

Bison consists of approximately 302 miles of 30-inch-diameter natural gas pipeline and related pipeline system facilities that extend northeastward from the Dead Horse Region near Gillette, Wyoming, through southeastern Montana and southwestern North Dakota where it interconnects with Northern Border Pipeline Company's (Northern Border) system near Northern Border's Compressor Station No. 6 in Morton County, North Dakota. Bison currently has 407 million cubic feet per day (MMcf/d) of operational capacity. Its design capacity with compression (approved but not yet constructed) is approximately 477 MMcf/d with potential expandability to

approximately 1 billion cubic feet per day. TC Energy is a leader in the responsible development and reliable operation of North American energy infrastructure including natural gas pipelines, power generation and gas storage facilities. TC Energy's network of 35,500 miles of wholly owned and 7,000 miles of partially owned pipelines connects virtually all major supply basins with major markets across North America.

RESPONDING TO EMERGENCIES

At TC Energy, safety of the public, our employees, and the environment is top priority. We have developed a comprehensive Emergency Management System (EMS) to ensure a quick and appropriate response to any pipeline emergency.

In the event of any emergency, our goal is to ensure an effective, coordinated response preventing harm to people, property, company operations, and the environment.

Our system is documented and tested regularly through annual exercises involving both our employees and

EMERGENCY CONTACT: 1-800-447-8066

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

MONTANA COUNTIES OF OPERATION:

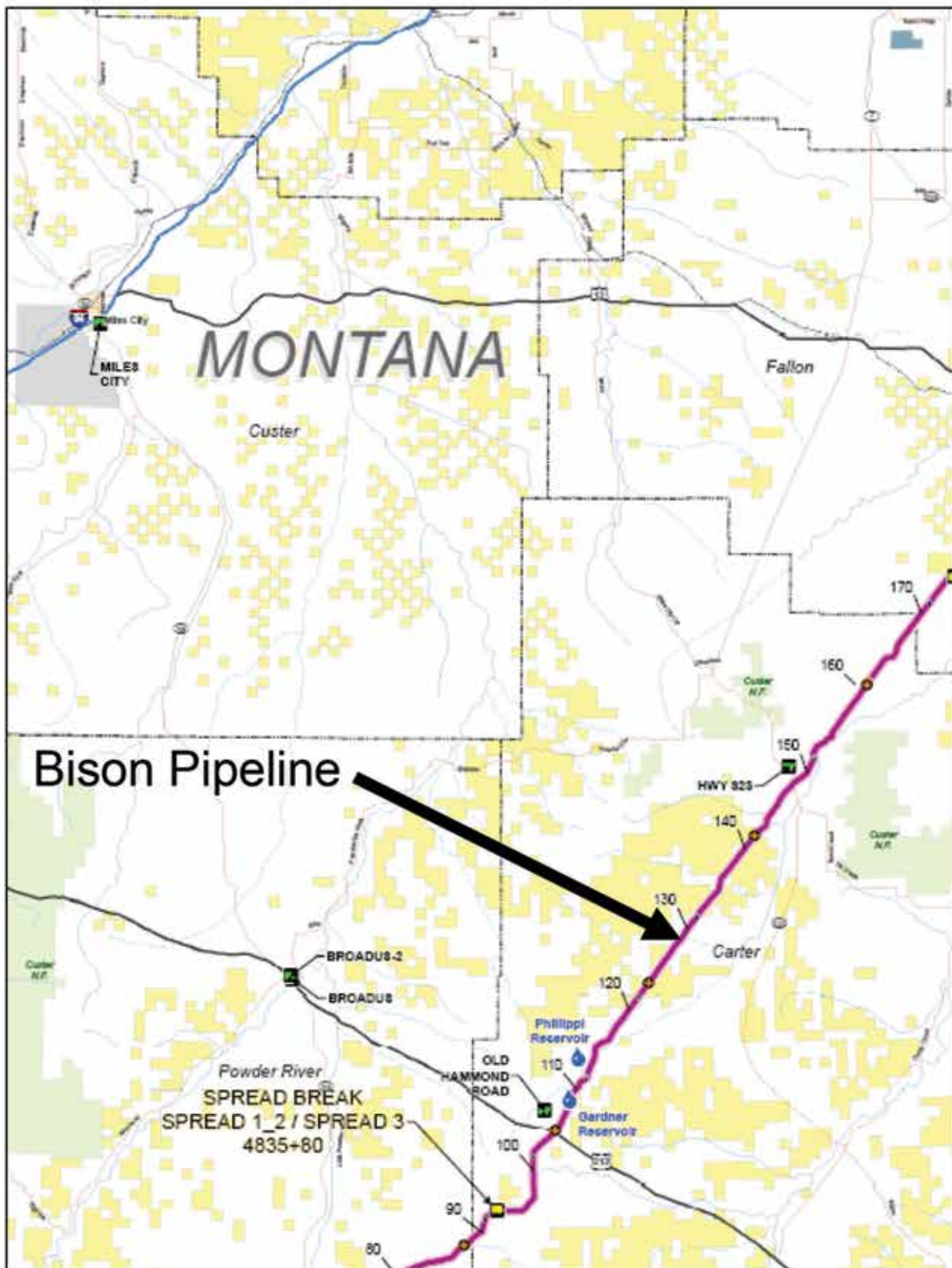
Carter	Powder River
Fallon	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

the community. By working with our communities, TC Energy builds relationships with local first responders and community officials, informing each other of emergency response strategies and gaining an understanding of each other's roles and responsibilities.

We continuously improve our emergency response program by developing complex exercises to test emergency management procedures and by training staff in effective emergency response.





Hydrological Water Source	• Milepost	Stream	State (Regional)	DRAWN: BR	DATE: October 01, 2010
Station Elevation Location	• Main Line Valve	Intermittent Stream	Bureau of Land Management	CHECKED: BR	DATE:
Compressor Pipe Head	• Spread Break	Canal	National Park Service	ENGINEER: BR	DATE:
Ball Valve	• Northern Border Pipeline	Interstate Hwy	Forest Service	APPROVED: BR	DATE:
	• Date	Highway	Park & Wildlife Service	CLIENT REVIEW: BR	DATE:
	• County	Major Road	Bureau of Reclamation	SCALE: 1" = 32,500'	INCHES
		Railroad	Department of Defense	JOB NO:	
			Other Agencies	CLIENT:	
			Military Installation	CLIENT JOB NO:	
				DRAWING NO: A0020-06-01-047-0005	
				REV: 1	

TC Energy UniversalPegaton
INTERNATIONAL

BISON PIPELINE PROJECT
BISON PIPELINE, LLC
ROUTE MAP



TC Energy Northern Border Inc. operates the 1,249-mile Northern Border Pipeline interstate pipeline system that transports natural gas from the Montana-Saskatchewan border to interconnecting pipelines in the upper Midwestern United States and the Chicago market area. Northern Border Pipeline's primary source of natural gas is the Western Canada Sedimentary Basin. The pipeline system has a design capacity of 2,374 million cubic feet per day.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

At Northern Border Pipeline Company, safety is our top priority. We incorporate a program that manages and maintains the integrity of our gas pipeline system. The purpose of this program is to

provide safe, reliable and cost-effective transportation of natural gas for our customers without adverse effects on the public, our customers, our employees or the environment. Line markers are used to indicate approximate locations of our pipeline and all excavators should use the state One-Call system or the national 811 One-Call.

Headquarters:

Northern Border Pipeline Company
13710 FNB Parkway
Omaha, NE 68154
Website: <http://www.northernborder.com/>

Local Office:

Northern Border Pipeline Company
200 Highway 14 Bypass
Brookings, SD 57006
Phone: 605-692-1415

EMERGENCY CONTACT:

1-800-447-8066

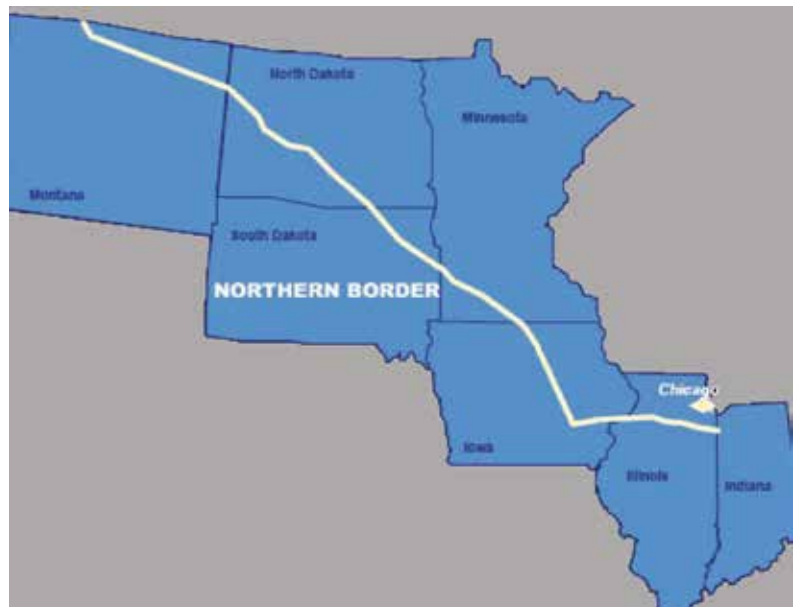
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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MONTANA COUNTIES OF OPERATION:

Phillips	Valley
Roosevelt	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





WBI Energy Midstream (formerly Bitter Creek Pipeline) provides a variety of energy-related services such as natural gas gathering, compression operations, compressor station design and construction, cathodic protection services, natural gas measurement, natural gas conditioning and processing, and energy efficiency product sales and installation to large end-use customers. WBI Energy Midstream is part of the WBI Energy family of companies which are all indirect wholly owned subsidiaries of MDU Resources Group (NYSE: MDU).

SAFETY, HEALTH, & ENVIRONMENT

WBI Energy Midstream employs highly qualified professionals that are committed to meeting or exceeding environmental regulatory requirements as well as operating our systems in a safe manner during the gathering of natural gas. In the event of an emergency, field personnel work in conjunction with the local fire and police departments to address any possible dangers to the public and environment.

EMERGENCY CONTACT: 1-888-859-7291

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

MONTANA COUNTIES OF OPERATION:

Phillips Valley

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Headquarters:

WBI Energy Midstream
P.O. Box 5601
Bismarck, ND 58506
Phone: 701-530-1500
Website: <http://www.wbienergy.com>

Local Office:

WBI Energy Midstream
P.O. Box 87
Saco, MT 59261
Phone: 406-527-3351





Local Office:
WBI Energy Transmission
2010 Montana Avenue
Glendive, MT 59330
Phone: 406-359-7200
www.wbienergy.com

WBI Energy Transmission (formerly Williston Basin Interstate Pipeline Company) traces its roots to the 1920's when short-haul natural gas pipelines were constructed to connect towns in rural communities. WBI Energy Transmission transports natural gas. As a safety precaution, odorant is added to our transmission lines to make natural gas detectable to the sense of smell. Our steel coated pipelines vary in size from 2 inches to 16 inches in diameter. The maximum operating pressures range from as little as 100 lbs. to 1,468 lbs. The gas travels at an average speed of about 15 miles an hour in the lines. Compressor stations are located along the line to maintain this rate. A computerized gas control center monitors the system 24 hours a day and can be reached at 1-888-859-7291.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

Unfortunately, some emergencies do not exhibit warnings of imminent failure while others develop because the warnings were not recognized. We must therefore be prepared to respond effectively when an emergency develops. The key to effective emergency management and response preparedness is clear, concise communication and effective cooperation. When you call the 24-hour emergency phone number located on our marker signs or as listed in this document, you will speak with someone at our

gas control center. The control center is the heart of the pipeline operations, where information about the pipeline and operating equipment is constantly monitored. As an emergency responder, you can help control the incident by being prepared to communicate as much information as possible to the control center about the current incident situation. Every incident is different – each will have special problems and concerns, carefully select actions to protect people, property and the environment and continue to gather information and monitor the situation until the threat is removed.

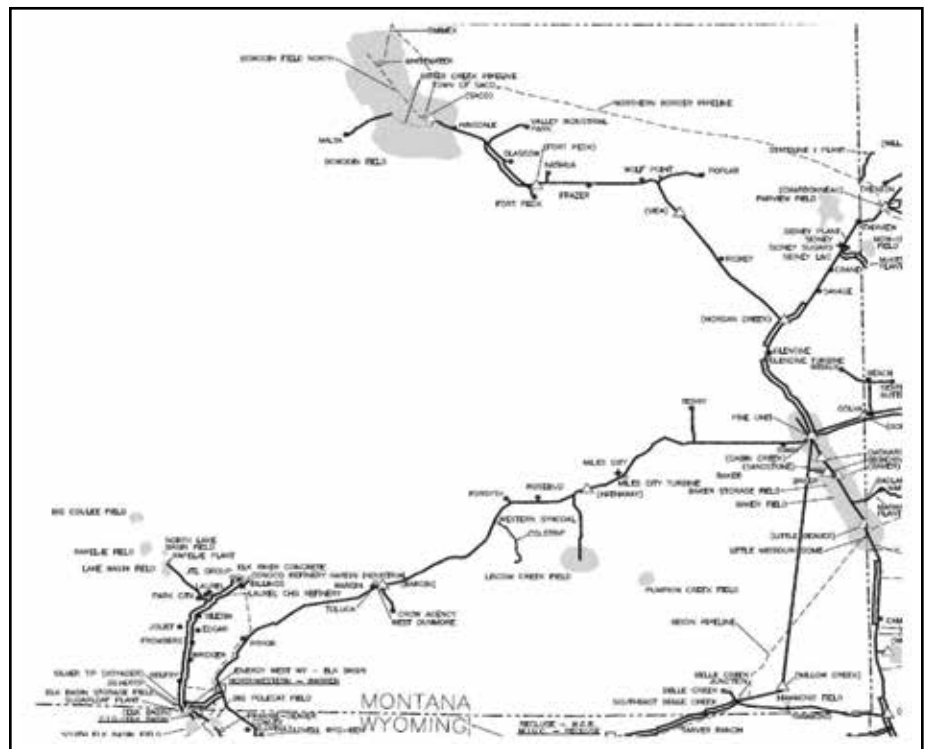
EMERGENCY CONTACT: 1-888-859-7291

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:
Natural Gas 1971 115

MONTANA COUNTIES OF OPERATION:

Big Horn	Prairie
Carbon	Richland
Carter	Roosevelt
Custer	Rosebud
Dawson	Stillwater
Fallon	Treasure
McCone	Valley
Phillips	Wibaux
Powder River	Yellowstone

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Emergency Response Plans for Gas and Hazardous Liquid Pipeline Operators

Federal regulations for both gas and hazardous liquid pipelines require operators to have written procedures for responding to emergencies involving their pipeline facility. Because pipelines are often located in public space, the regulations further require that operators include procedures for planning with emergency and other public officials to ensure a coordinated response. Please contact your local pipeline operators for information regarding their company specific emergency response plan.

Natural Gas

Each operator shall establish written procedures to minimize the hazard resulting from a gas pipeline emergency. At a minimum, the procedures must provide for the following:

- Receiving, identifying, and classifying notices of events which require immediate response by the operator.
- Establishing and maintaining adequate means of communication with appropriate fire, police, and other public officials.
- Prompt and effective response to a notice of each type of emergency, including the following:
 1. Gas detected inside or near a building.
 2. Fire located near or directly involving a pipeline facility.
 3. Explosion occurring near or directly involving a pipeline facility.
 4. Natural disaster.
- The availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency.
- Actions directed toward protecting people first and then property.
- Emergency shutdown and pressure reduction in any section of the operator's pipeline system necessary to minimize hazards to life or property.
- Making safe any actual or potential hazard to life or property.
- Notifying appropriate fire, police, and other public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency.
- Safely restoring any service outage.
- Each operator shall establish and maintain liaison with appropriate fire, police, and other public officials to:
 1. Learn the responsibility and resources of each government organization that may respond to a gas pipeline emergency;
 2. Acquaint the officials with the operator's ability in responding to a gas pipeline emergency;
 3. Identify the types of gas pipeline emergencies of which the operator notifies the officials; and
 4. Plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property.

**Reference 49 CFR 192.615*

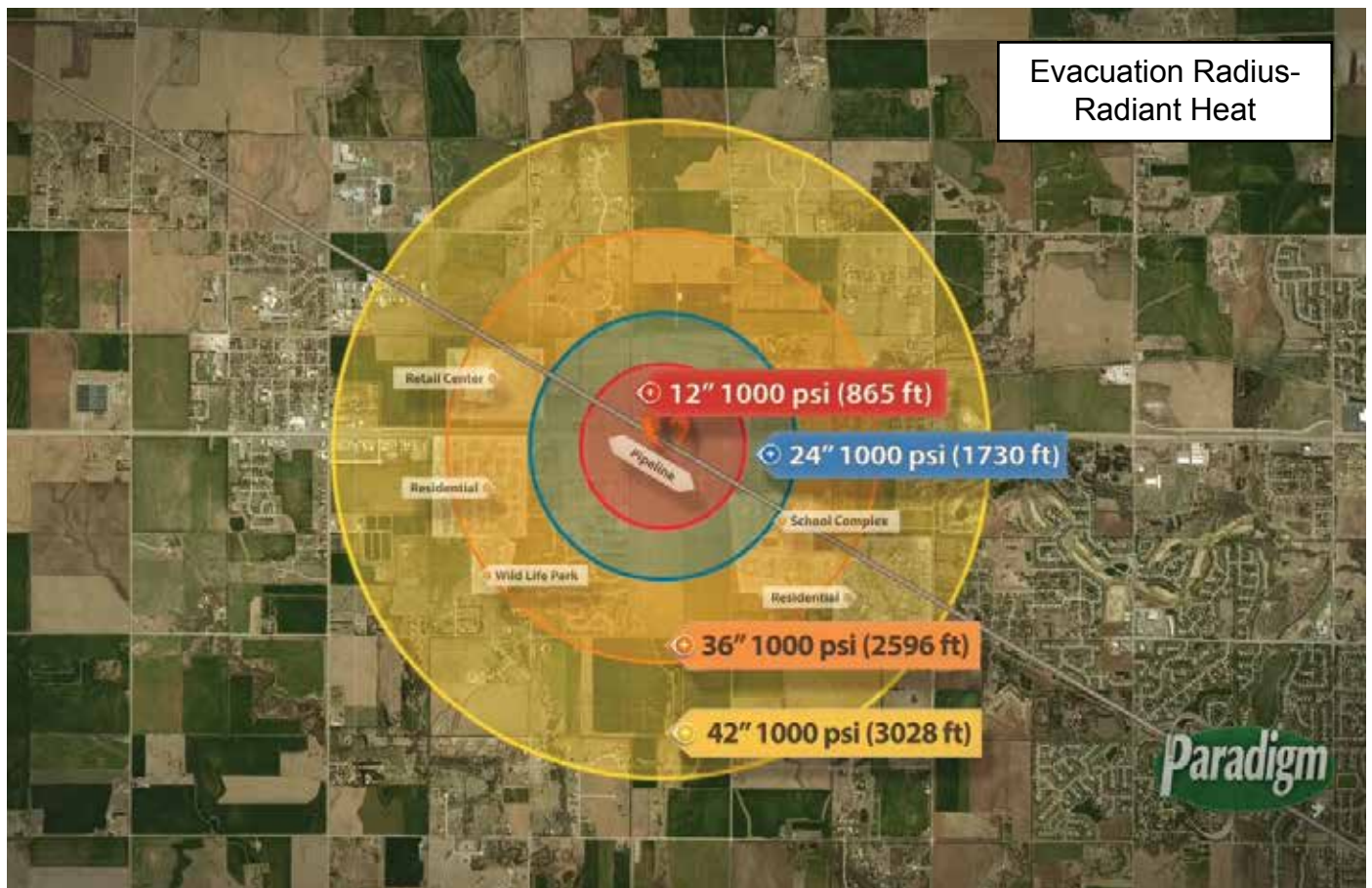
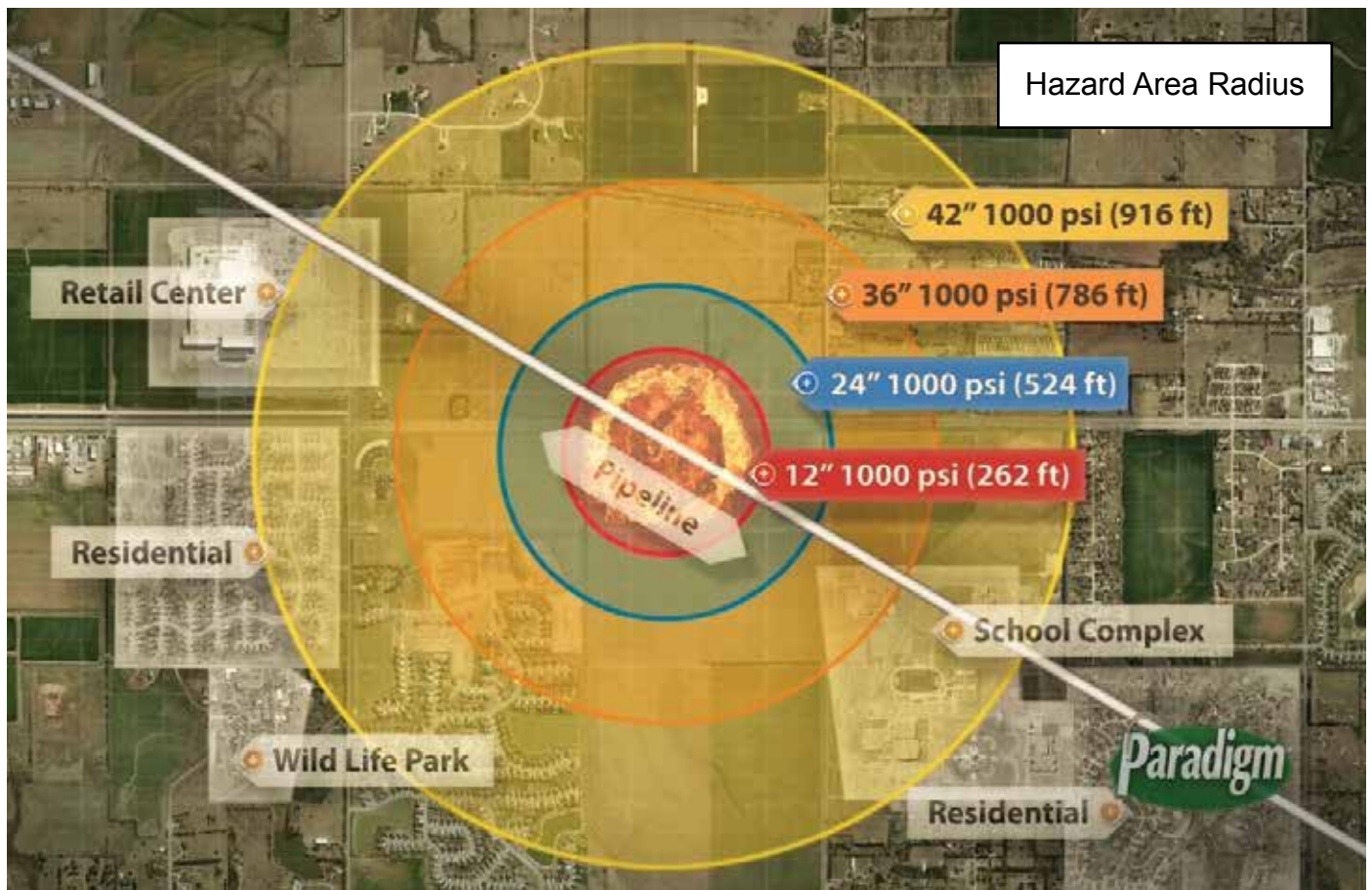
Hazardous Liquids

(a) General: Each operator shall prepare and follow for each pipeline system a manual of written procedures for conducting normal operations and maintenance activities and handling abnormal operations and emergencies. This manual shall be reviewed at intervals not exceeding 15 months, but at least once each calendar year, and appropriate changes made as necessary to insure that the manual is effective. This manual shall be prepared before initial operations of a pipeline system commence, and appropriate parts shall be kept at locations where operations and maintenance activities are conducted.

Emergencies. The manual required by paragraph (a) of this section must include procedures for the following to provide safety when an emergency condition occurs:

- Receiving, identifying, and classifying notices of events which need immediate response by the operator or notice to fire, police, or other appropriate public officials and communicating this information to appropriate operator personnel for corrective action.
- Prompt and effective response to a notice of each type emergency, including fire or explosion occurring near or directly involving a pipeline facility, accidental release of hazardous liquid or carbon dioxide from a pipeline facility, operational failure causing a hazardous condition, and natural disaster affecting pipeline facilities.
- Having personnel, equipment, instruments, tools, and material available as needed at the scene of an emergency.
- Taking necessary action, such as emergency shutdown or pressure reduction, to minimize the volume of hazardous liquid or carbon dioxide that is released from any section of a pipeline system in the event of a failure.
- Control of released hazardous liquid or carbon dioxide at an accident scene to minimize the hazards, including possible intentional ignition in the cases of flammable highly volatile liquid.
- Minimization of public exposure to injury and probability of accidental ignition by assisting with evacuation of residents and assisting with halting traffic on roads and railroads in the affected area, or taking other appropriate action.
- Notifying fire, police, and other appropriate public officials of hazardous liquid or carbon dioxide pipeline emergencies and coordinating with them preplanned and actual responses during an emergency, including additional precautions necessary for an emergency involving a pipeline system transporting a highly volatile liquid.
- In the case of failure of a pipeline system transporting a highly volatile liquid, use of appropriate instruments to assess the extent and coverage of the vapor cloud and determine the hazardous areas.
- Providing for a post accident review of employee activities to determine whether the procedures were effective in each emergency and taking corrective action where deficiencies are found.

**Reference 49 CFR 195.402*



NENA Pipeline Emergency Operations - Call Intake Checklist

In accordance with NENA Pipeline Emergency Operations Standard/Model Recommendation NENA 56-007 (<https://www.nena.org/?page=PipelineEmergStd>)

GOALS FOR INITIAL INTAKE:

1. Obtain and Verify Incident Location, Callback and Contact Information
2. Maintain Control of the Call
3. Communicate the Ability to HELP the Caller
4. Methodically and Strategically Obtain Information through Systematic Inquiry to be Captured in the Agency's Intake Format
5. Recognize the potential urgency of situations involving the release of dangerous gases or liquids related to pipelines or similar events of this nature and immediately begin the proper notifications consistent with agency policy
6. Perform all Information Entries and Disseminations, Both Initial and Update

FIRST RESPONSE CALL INTAKE CHECKLIST

The focus of this Standard is on the first minute of the call intake process. Actions taken during this time frame significantly impact the effectiveness of the response and are critical to public safety.

The following protocol is intended as a solid framework for call intake, but should not in any manner rescind or override agency procedures for the timing of broadcasts and messaging.

These procedures are established as recommended practices to consider with existing agency policy and procedure to ensure the most swift and accurate handling of every incident involving the release of dangerous gases or hazardous liquids.

All information should be simultaneously entered, as it is obtained by the telecommunicator, into an electronic format (when available) that will feed/populate any directed messages which will be sent to emergency responders in conjunction with on-air broadcasts.

Location:

Request exact location of the incident (structure addresses, street names, intersections, directional identifiers, mile posts, etc.) and obtain callback and contact information.

Determine Exactly What Has Happened:

Common signs of a pipeline leak are contained in Table 1 below. If any of these conditions are reported, THIS IS A PIPELINE EMERGENCY.

TABLE 1
Common Indications of a Pipeline Leak

Condition	Natural Gas (lighter than air)	LPG & HVL (heavier than air)	Liquids
An odor like rotten eggs or a burnt match	X	X	
A loud roaring sound like a jet engine	X	X	
A white vapor cloud that may look like smoke		X	
A hissing or whistling noise	X	X	
The pooling of liquid on the ground			X
An odor like petroleum liquids or gasoline		X	X
Fire coming out of or on top of the ground	X	X	
Dirt blowing from a hole in the ground	X	X	
Bubbling in pools of water on the ground	X	X	
A sheen on the surface of water		X	X
An area of frozen ground in the summer	X	X	
An unusual area of melted snow in the winter	X	X	
An area of dead vegetation	X	X	X

Pipelines In Our Community

According to National Transportation Safety Board statistics pipelines are the safest and most efficient means of transporting natural gas and petroleum products, which are used to supply roughly two-thirds of the energy we use. These pipelines transport trillions of cubic feet of natural gas and hundreds of billions of ton/miles of liquid petroleum products in the United States each year.

This system is comprised of three types of pipelines: transmission, distribution and gathering. The approximately 519,000 miles of transmission pipeline* transport products, including natural gas and petroleum products, across the country and to storage facilities. Compressor stations and pumping stations are located along transmission and gathering pipeline routes and help push these products through the line.

Approximately 2.2 million miles of distribution pipeline* is used to deliver natural gas to most homes and businesses through underground main and utility service lines. Onshore gathering lines are pipelines that transport gas from a current production operation facility to a transmission line or main. Production operations are piping and equipment used in production and preparation for transportation or delivery of hydrocarbon gas and/or liquids.

*mileage according to the Pipeline Hazardous Materials Safety Administration (PHMSA).

Pipeline Markers

The U.S. Department of Transportation (DOT) requires the use of signs to indicate the location of underground pipelines. Markers like these are located on road, railroad, and navigable waterway crossings. Markers are also posted along the pipeline right-of-way.

The markers display:

- The material transported
- The name of the pipeline operator
- The operator's emergency number

MARKER INFORMATION

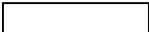







- Indicates area of pipeline operations
- May have multiple markers in single right-of-way
- May have multiple pipelines in single right-of-way
- DOES NOT show exact location
- DOES NOT indicate depth (*never assume pipeline depth*)
- DOES NOT indicate pipeline pressure



Call Before You Dig

Statistics indicate that damage from excavation related activities is a leading cause of pipeline accidents. If you are a homeowner, farmer, excavator, or developer, we need your help in preventing pipeline emergencies.

1. Call your state's One-Call center before excavation begins - regulatory mandate as state law requires.
2. Wait the required amount of time.
3. A trained technician will mark the location of the pipeline and other utilities (private lines are not marked).
4. Respect the marks.
5. Dig with care.

American Public Works Association (APWA) Uniform Color Code	
	WHITE - Proposed Excavation
	PINK - Temporary Survey Markings
	RED - Electric Power Lines, Cables, Conduit and Lighting Cables
	YELLOW - Gas, Oil, Steam, Petroleum or Gaseous Materials
	ORANGE - Communication, Alarm or Signal Lines, Cables or Conduit
	BLUE - Potable Water
	PURPLE - Reclaimed Water, Irrigation and Slurry Lines
	GREEN - Sewers and Drain Lines

National One-Call Dialing Number:



**Know what's below.
Call before you dig.**

For More Details Visit: www.call811.com

Signs Of A Pipeline Release

SIGHT*

- Liquid on the ground
- Rainbow sheen on water
- Dead vegetation in an otherwise green area
- Dirt blowing into the air
- White vapor cloud
- Mud or water bubbling up
- Frozen area on ground

**Signs vary based upon product*

SMELL

- Odors such as gas or oil
- Natural gas is colorless and odorless
 - Unless Mercaptan has been added (*rotten egg odor*)

OTHER - NEAR PIPELINE OPERATIONS

- Burning eyes, nose or throat
- Nausea

SOUND

- A hissing or roaring sound

What To Do If A Leak Occurs

- Evacuate immediately upwind
- Eliminate ignition sources
- Advise others to stay away
- **CALL 911** and the pipeline company – number on warning marker
 - Call collect if necessary
- Make calls from safe distance – not “hot zone”
- Give details to pipeline operator:
 - Your name
 - Your phone number
 - Leak location
 - Product activity
 - Extent of damage
- DO NOT drive into leak or vapor cloud
- DO NOT make contact with liquid or vapor
- DO NOT operate pipeline valves (*unless directed by pipeline operator*):
 - Valve may be automatically shut by control center
 - Valve may have integrated shut-down device
- Valve may be operated by qualified pipeline personnel only, unless specified otherwise
- Ignition sources may vary – a partial list includes:
 - Static electricity
 - Metal-to-metal contact
 - Pilot lights
 - Matches/smoking
 - Sparks from telephone
 - Electric switches
 - Electric motors
 - Overhead wires
 - Internal combustion engines
 - Garage door openers
 - Firearms
 - Photo equipment
 - Remote car alarms/door locks
 - High torque starters – diesel engines
 - Communication devices

Pipeline Emergency

Call Gas Control Or Pipeline Control Center

Use **Pipeline Emergency Response Planning Information Manual** for contact information
Phone number on warning markers
Use state One-Call System, if applicable

Control Center Needs To Know

Your name & title in your organization
Call back phone number – primary, alternate
Establish a meeting place
Be very specific on the location (*use GPS*)
Provide City, County and State

Injuries, Deaths, Or Property Damage

Have any known injuries occurred?
Have any known deaths occurred?
Has any severe property damage occurred?

Traffic & Crowd Control

Secure leak site for reasonable distance
Work with company to determine safety zone
No traffic allowed through any hot zone
Move sightseers and media away
Eliminate ignition sources

Fire

Is the leak area on fire?
Has anything else caught on fire besides the leak?

Evacuations

Primary responsibility of emergency agency
Consult with pipeline/gas company

Fire Management

Natural Gas – DO NOT put out until supply stopped
Liquid Petroleum – water is NOT recommended;
foam IS recommended
Use dry chemical, vaporizing liquids, carbon dioxide

Ignition Sources

Static electricity (*nylon windbreaker*)
Metal-to-metal contact
Pilot lights, matches & smoking, sparks from phone
Electric switches & motors
Overhead wires
Internal combustion engines
Garage door openers, car alarms & door locks
Firearms
Photo equipment
High torque starters – diesel engines
Communication devices – not intrinsically safe

High Consequence Areas Identification*

Pipeline safety regulations use the concept of “High Consequence Areas” (HCAs), to identify specific locales and areas where a release could have the most significant adverse consequences. Once identified, operators are required to devote additional focus, efforts, and analysis in HCAs to ensure the integrity of pipelines.

Releases from pipelines can adversely affect human health and safety, cause environmental degradation, and damage personal or commercial property. Consequences of inadvertent releases from pipelines can vary greatly, depending on where the release occurs, and the commodity involved in the release.

What criteria define HCAs for pipelines?

Because potential consequences of natural gas and hazardous liquid pipeline releases differ, criteria for HCAs also differ. HCAs for natural gas transmission pipelines focus solely on populated areas. (Environmental and ecological consequences are usually minimal for releases involving natural gas.) Identification of HCAs for hazardous liquid pipelines focuses on populated areas, drinking water sources, and unusually sensitive ecological resources.

HCAs for hazardous liquid pipelines:

- Populated areas include both high population areas (called “urbanized areas” by the U.S. Census Bureau) and other populated areas (areas referred to by the Census Bureau as a “designated place”).
- Drinking water sources include those supplied by surface water or wells and where a secondary source of water

supply is not available. The land area in which spilled hazardous liquid could affect the water supply is also treated as an HCA.

- Unusually sensitive ecological areas include locations where critically imperiled species can be found, areas where multiple examples of federally listed threatened and endangered species are found, and areas where migratory water birds concentrate.

HCAs for natural gas transmission pipelines:

- An equation has been developed based on research and experience that estimates the distance from a potential explosion at which death, injury or significant property damage could occur. This distance is known as the “potential impact radius” (or PIR), and is used to depict potential impact circles.
- Operators must calculate the potential impact radius for all points along their pipelines and evaluate corresponding impact circles to identify what population is contained within each circle.
- Potential impact circles that contain 20 or more structures intended for human occupancy; buildings housing populations of limited mobility; buildings that would be hard to evacuate. (Examples are nursing homes, schools); or buildings and outside areas occupied by more than 20 persons on a specified minimum number of days each year, are defined as HCA's.

* <https://primis.phmsa.dot.gov/comm/FactSheets/FSHCA.htm>

Identified Sites*

Owners and companies of gas transmission pipelines are regulated by the US Department of Transportation (DOT). According to integrity management regulations, gas pipeline companies are required to accept the assistance of local public safety officials in identifying certain types of sites or facilities adjacent to the pipeline which meets the following criteria:

- (a) A small, well-defined outside area that is occupied by twenty or more persons on at least 50 days in any twelve-month period (the days need not be consecutive). Examples of such an area are playgrounds, parks, swimming pools, sports fields, and campgrounds.
- (b) A building that is occupied by 20 or more persons on at least 5 days a week for 10 weeks in any 12 month period (the days and weeks need not be consecutive). Examples included in the definition are: religious facilities, office buildings, community centers, general stores, 4-H facilities, and roller rinks.
- (c) A facility that is occupied by persons who are confined, are of impaired mobility, or would be difficult to evacuate. Examples of such a facility are hospitals, schools, elder care, assisted living/nursing facilities, prisons and child daycares.

Sites within your jurisdiction will fit the above requirements, please go to my.spatialobjects.com/admin/register/ISR to provide this valuable information to pipeline companies.

* 49 CFR §192.903.

IDENTIFIED SITE REGISTRY

Pipeline operators need your help keeping people and property safe.

Identified Sites - locations where many people occupy an area near a pipeline asset or facility. These are places where people may gather from time to time for a variety of reasons.

Some of these sites are very difficult for companies to obtain without help from those with local knowledge of the area.

Please use the following website to gain secure access, so you can assist in identifying sites where people congregate in your community:

my.spatialobjects.com/admin/register/ISR

Pipeline operators are required by law to work with public officials who have safety or emergency response, or planning responsibilities that can provide quality information regarding identified sites.



Maintaining Safety and Integrity of Pipelines

Pipeline companies invest significant time and capital maintaining the quality and integrity of their pipeline systems. Most active pipelines are monitored 24 hours a day via manned control centers. Pipeline companies also utilize aerial surveillance and/or on-ground observers to identify potential dangers. Control center personnel continually monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak. Automatic shut-off valves are sometimes utilized

to isolate a leak. Gas transmission and hazardous liquid pipeline companies have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). IMPs have been implemented for areas designated as “high consequence areas” (HCAs) in accordance with federal regulations. Specific information about companies’ programs may be found on their company web sites or by contacting them directly.

How You Can Help Keep Pipelines Safe

While accidents pertaining to pipeline facilities are rare, awareness of the location of the pipeline, the potential hazards, and what to do if a leak occurs can help minimize the number of accidents. A leading cause of pipeline incidents is third-party excavation damage. Pipeline companies are responsible for the safety and security of their respective pipelines. To help maintain the integrity of pipelines and their right-of-way, it is essential that pipeline and facility neighbors protect against unauthorized excavations or other destructive activities. You can help by:

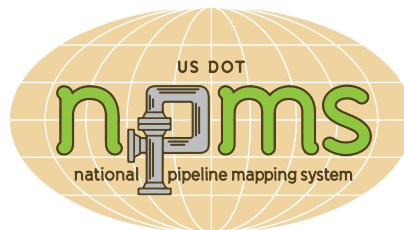
- Being aware of any unusual or suspicious activities or unauthorized excavations taking place within or near the pipeline right-of-way or pipeline facility.
 - Develop contacts and relationships with pipeline company representatives, i.e. participate in mock drill exercises with your local pipeline company.
 - Share intelligence regarding targeting of national infrastructure, and specific threats or actual attacks against pipeline companies.
- Assist with security steps for pipeline facilities during heightened national threat levels, i.e., increased surveillance near facilities.
- Monitor criminal activity at the local level that could impact pipeline companies, and anti-government/pipeline groups and other groups seeking to disrupt pipeline company activities.
- Keeping the enclosed fact sheets for future reference.
- Attending an emergency response training program in your area.
- Familiarizing yourself and your agency with the Pipelines and Informed Planning Alliance (PIPA) best practices regarding land use planning near transmission pipelines.
- Completing and returning the enclosed postage-paid survey.
- Report to the pipeline company localized flooding, ice dams, debris dams, and extensive bank erosion that may affect the integrity of pipeline crossings.

National Pipeline Mapping System (NPMS)

The National Pipeline Mapping System (NPMS) is a geographic information system created by the U.S. Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA), Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry to provide information about companies and their pipelines. The NPMS web site is searchable by ZIP Code or by county and state, and can display a printable county map.

Within the NPMS, PHMSA has developed the Pipeline Integrity Management Mapping Application (PIMMA) for use by pipeline companies and federal, state, and local government officials only. The application contains sensitive pipeline infrastructure information that can be viewed via internet browsers. Access to PIMMA is limited to federal, pipeline companies. PIMMA access cannot be given to any person who is not a direct employee of a government agency.

For a list of companies with pipelines in your area and their contact information, or to apply for PIMMA access, go to npms.phmsa.dot.gov. Companies that operate production facilities, gas/liquid gathering piping, and distribution piping are not represented by NPMS nor are they required to be.



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www.pipelines.training

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INGAA **energy API** **AOPL** **The INGAA Foundation, Inc.**

PIPELINE DAMAGE REPORTING LAW AS OF 2007

H.R. 2958 Emergency Alert Requirements

Any person, including a government employee or contractor, who while engaged in the demolition, excavation, tunneling, or construction in the vicinity of a pipeline facility;

- A. Becomes aware of damage to the pipeline facility that may endanger life or cause serious bodily harm or damage to property; or
 - B. Damages the pipeline facility in a manner that may endanger life or cause serious bodily harm or damage to property, shall promptly report the damage to the operator of the facility and to other appropriate authorities.
-

Websites:

Association of Public-Safety Communications Officials - International (APCO)

www.apcointl.org/

Common Ground Alliance

www.commongroundalliance.com

Federal Emergency Management Agency

www.fema.gov

Federal Office of Pipeline Safety

www.phmsa.dot.gov

Government Emergency Telecommunications

www.dhs.gov/government-emergency-telecommunications-service-gets

Infrastructure Protection – NIPC

www.dhs.gov/national-infrastructure-protection-plan

National Emergency Number Association

www.nena.org/?

National Fire Protection Association (NFPA)

www.nfpa.org

National Pipeline Mapping System

<https://www.npms.phmsa.dot.gov>

National Response Center

www.nrc.uscg.mil or 800-424-8802

Paradigm Liaison Services, LLC

www.pdigm.com

United States Environmental Protection Agency (EPA)

www.epa.gov/cameo

Wireless Information System for Emergency Responders (WISER)

www.wiser.nlm.nih.gov

FOR MORE INFORMATION ON THE NASFM PIPELINE EMERGENCIES PROGRAM

www.pipelineemergencies.com

FOR EMERGENCY RESPONSE INFORMATION, REFER TO DOT GUIDEBOOK.

FOR COPIES: (202) 366-4900

www.phmsa.dot.gov/hazmat/erg/emergency-response-guidebook-erg

About Paradigm

Paradigm is public awareness. We provide public awareness and damage prevention compliance services to assist with the regulatory requirements of 49 CFR 192 and 195, as well as API RP 1162. Since 2001, the oil and gas industry has worked with Paradigm to fulfill public education and community awareness requirements.

Our history of implementing public awareness programs and compliance services pre-dates API RP 1162. Most of the pipeline industry's large, mid-sized and small operators, as well as many local distribution companies utilize Paradigm's compliance services.

In serving our clients, Paradigm performs full-scope compliance programs from audience identification through effectiveness measurement. In addition, we offer consulting services for plan evaluation and continuous improvement. At the completion of each compliance program, we provide structured documentation which precisely records all elements of the program's implementation to assist with audits.

Paradigm leads the way in industry service. Pipeline operators and local distribution companies trust in Paradigm to implement their public awareness and damage prevention programs. Each year we:

- Distribute 25 million pipeline safety communications
- Compile and analyze roughly 250,000 stakeholder response surveys
- Facilitate over 1,200 liaison programs
- Implement approximately 1,000 public awareness compliance programs
- Provide audit support and assistance with over 50 public awareness audits

Contact Paradigm for more information regarding custom public awareness solutions.

Contact us:

Paradigm Liaison Services, LLC
PO Box 9123
Wichita, KS 67277
(877) 477-1162
Fax: (888) 417-0818
www.pdigm.com



HSEEP
Homeland Security Exercise
and Evaluation Program

Presenter/Contact Information:		Key Take-Aways:	
		✓	
		✓	
		✓	
		✓	
		✓	
Comments to Remember			
Questions to Ask			
New Concepts to Explore			



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MONTANA

Montana811: 800-424-5555 or 811
Website: www.montana811.org **Hours:** 24 hours, 365 days
Tickets Fax: 800-424-5555
Advance Notice: 2 business days
Marks Valid: 30 days
Law Link: www.montana811.org/montana-dig-law.html

TICKETS			STATE LAWS & PROVISIONS									NOTIFICATION EXEMPTIONS					NOTIFICATIONS ACCEPTED					
FAX	Online	Mobile	Statewide Coverage	Civil Penalties	Emergency Clause	Mandatory Membership	Excavator Permits Issued	Mandatory Premarks	Positive Response	Hand Dig Clause	Damage Reporting	DOT	Homeowner	Railroad	Agriculture	Depth	Damage	Design	Emergency	Overhead	Large Projects	Tolerance Zone
N	Y	Y	Y	Y	Y	Y	N	N	N	N	Y	N	N	N	N	N	Y	Y	Y	N	N	18"



Download the Pipeline Awareness Viewer™ (PAV) app to learn about pipelines, including:



Apply for PIMMA access



Visit the API training center website



Register for a pipeline safety meeting near you



Download the NENA call intake checklist




Download the PHMSA Emergency Response Guidebook



View a video about the pipeline industry

How to use PAV:

- Launch the app on your device.
- Review the brief instructions.
- Tap the SCAN button and aim your camera at the brochure cover.*
- When the buttons appear, tap the lock icon  to view the available content.
- Tap the buttons to view important pipeline safety information.



**For best results, enable Wi-Fi on your device prior to using the PAV app.*



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