North Dakota Pipeline Association

CORE® COORDINATED RESPONSE EXERCISE

COORDINATED RESPONSE EXERCISE®

Pipeline Safety Training For First Responders

PROGRAM GUIDE

VIEW INTERACTIVE CONTENT*

*Instructions on back

2021

Emergency Contact List

COMPANY	EMERGENCY NUMBER
AE2S Operations, LLC	**1-763-463-5036**
Alliance Pipeline	**1-800-884-8811**
Arrow Pipeline, LLC	**1-866-234-7473**
Aux Sable Midstream	**1-701-628-9380**
Belle Fourche Pipeline Company	**1-866-305-3741**
BOE Pipeline LLC	**1-844-220-9234**
Bridger Pipeline LLC	**1-866-305-3741**
Caliber Midstream	**1-866-535-2522**
Cenex Pipeline, LLC	**1-800-421-4122**
Crestwood Dakota Pipeline, LLC	**1-855-489-8457**
Dakota Access Pipeline (DAPL)	**1-800-753-5531**
Dakota Gasification Company	**1-866-747-3546**
Dakota Natural Gas, LLC	**1-888-933-9743**
Enable Midstream Partners	**1-800-474-1954**
Enbridge Energy Company, Inc. / North Dakota Pipeline Company LLC	**1-800-858-5253**
Equinor	**1-855-750-8024**
Great Plains Natural Gas Company	**1-877-267-4764**
Hawthorn Oil Transportation (North Dakota), Inc.	**1-888-814-0188**
Hess Corporation	**1-800-406-1697**
Magellan Midstream Partners, L.P.	**1-800-720-2417**
Montana Dakota Utilities Company	**1-800-638-3278**
MPLX - Andeavor Field Services LLC	**1-800-725-1514**
Nesson Gathering System LLC	**1-701-664-3139**
NuStar Pipeline Operating Partnership L.P.	**1-800-759-0033**
Oasis Petroleum	**1-866-584-8016**
ONEOK (Natural Gas Liquids)	**1-855-348-7258**
ONEOK (Natural Gas)	**1-800-778-7834**
Paradigm Midstream Services	**1-800-514-3624**
Pecan Pipeline	**1-866-899-2626**
Pembina Cochin LLC	**1-800-360-4706**
Petro - Hunt, LLC	**1-701-863-6500**
Plains All American Pipeline, L.P.	**1-800-708-5071**
Savage Bakken Connector Oil Pipeline	**1-701-774-9316**
Summit Midstream Partners, LP	**1-888-643-7929**
Targa Badlands LLC	**1-866-957-3133**
TC Energy / Bison Pipeline, LLC	**1-800-447-8066**
TC Energy / Keystone Pipeline L.P.	**1-800-447-8066**
TC Energy / Northern Border Pipeline	**1-800-447-8066**
USG Wheatland Pipeline	**1-701-774-2357**
or	**1-866-535-6836**
Van Hook Gathering Services, LLC	**1-800-447-8066**
Vantage Pipeline US LP (Vantage)	**1-800-360-4706**
Viking Gas Transmission Company	**1-888-417-6275**
WBI Energy Transmission	**1-888-859-7291**
Xcel Energy	**1-800-895-2999**

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
North Dakota One Call	**1-800-795-0555**
National One-Call Referral Number	**1-888-258-0808**
National One-Call Dialing Number	**811**

Table of Contents

Paradigm

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/2020-08/ERG2020-WEB.pdf.

PO Box 9123
Wichita, KS 67277
877.477.1162
pdigm.com

Pipeline Emergency Response
PLANNING INFORMATION

ON BEHALF OF:

AE2S Operations, LLC
Alliance Pipeline
Arrow Pipeline, LLC
Aux Sable Midstream
Belle Fourche Pipeline Company
BOE Pipeline LLC
Bridger Pipeline LLC
Caliber Midstream
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TC Energy / Northern Border Pipeline
USG Wheatland Pipeline
Van Hook Gathering Services, LLC
Vantage Pipeline US LP (Vantage)
Viking Gas Transmission Company
WBI Energy Transmission
Xcel Energy

US DOT npms national pipeline mapping system

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 https://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

Type 1 Products	Flash Point	Ignition Temperature
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

Propane, Butane and Other Similar Products

- 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

Type 3 Products	Flash Point	Ignition Temperature
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

CORE®
COORDINATED RESPONSE EXERCISE

North Dakota Pipeline Association Members

Local Operator Information*

Specific Jurisdictional Information in Handouts Tab

- **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**


ABC Pipeline

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

Coordinated Response Exercise®

Purpose

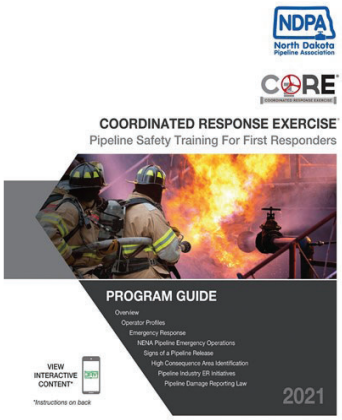
- **Learn** your responsibility and resources in the event of an emergency
- **Acquaint** you with the operator's ability to respond to a pipeline emergency
- **Identify** the types of pipeline emergencies
- **Plan** how all parties can engage in mutual assistance to minimize hazards to life, property and the environment

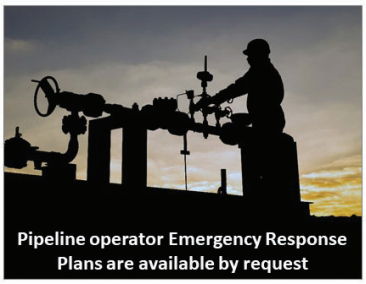
Code of Federal Regulations (CFR): 49 CFR Parts 192 and 195

Roll Call

Law Enforcement, Fire, EMS, Emergency Management, Division of Forest Service, State & Federal Officials, School Officials, PSAP & **Pipeline Operators**

Program Resources



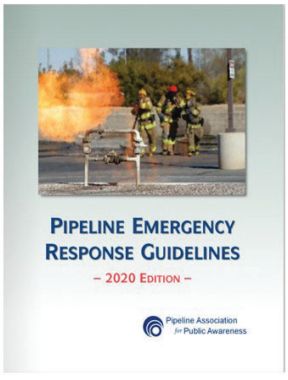


ndpa.pipelineawareness.org

VSM VIRTUAL SCENARIO MANAGER

State Resources

ndpa.pipelineawareness.org



Coordinated Response Exercise®

VSM™ VIRTUAL SCENARIO MANAGER

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.

Exercise Objectives Review

- ✓ Walked through a pipeline emergency scenario
- ✓ Identified the location of the release
- ✓ Notified the appropriate agencies
- ✓ Isolated any threat to life, property, and the environment
- ✓ Determined any needs for specialized resources and where we would find them
- ✓ Identified if emergency responders should shut down the pipeline
- ✓ Determined if we should start an evacuation or other public protective action
- ✓ Identified whether other resources were required (local, state, federal, private industry)

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.

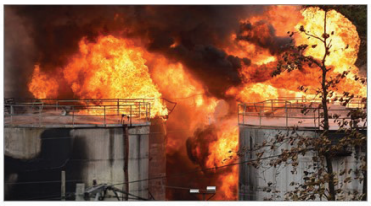
Pipeline System Types

Gathering

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



Pipeline Operator's Emergency Response Plans

Natural Gas and Hazardous Liquids

- Notify appropriate fire, police, and other public officials of gas or liquid pipeline emergencies, 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, property, and the environment
- Incident investigation and review

Natural Gas (CFR 49 192.615)

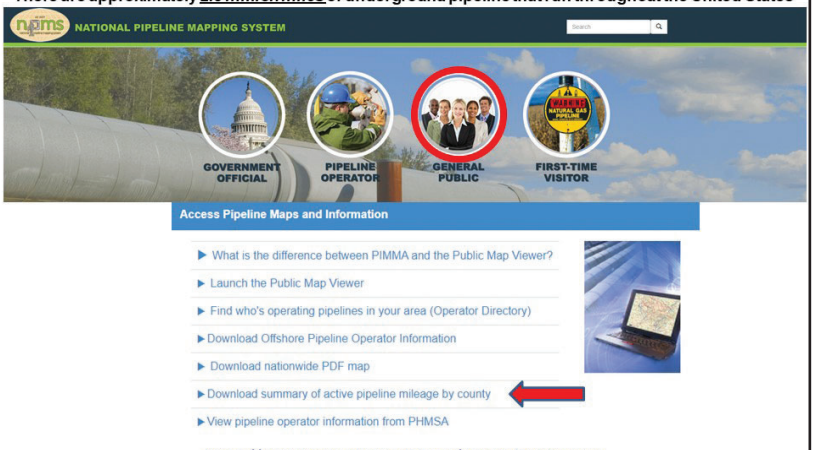
- Establish and maintain communication with fire, police, and other public officials
- Direct actions to protect people, then property
- Emergency shutdown to minimize hazard to life, property, and the environment
- Safely restore service

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

Pipeline Mileage Resource by State/County*

There are approximately *2.8 million miles* of underground pipeline that run throughout the United States



https://www.npms.phmsa.dot.gov/GeneralPublic.aspx

*Pipeline and Hazardous Materials Safety Administration (PHMSA)

Product Characteristics

Hazardous Liquids

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

Liquid in and liquid out of the pipeline

ER Guide 128 (Page 192)

Highly Volatile Liquids

(Propane, butane, ethane, natural gas liquids)

Liquid in and vapor out of the pipeline

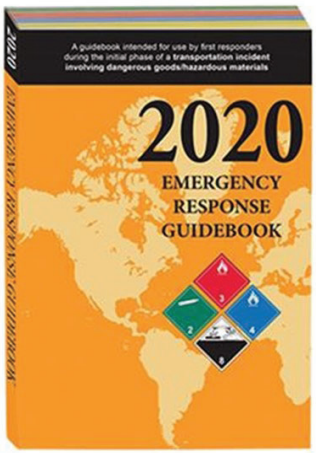
ER Guide 115 (Page 166)

Natural Gas

Gas in and gas out of the pipeline

ER Guide 115 (Page 166)

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

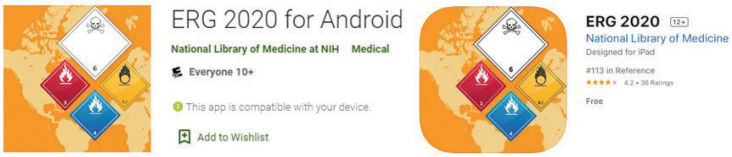


Product Characteristics Resources

Mobile Application

Android and iPhone

https://www.phmsa.dot.gov/hazmat/erg/erg2020-mobileapp

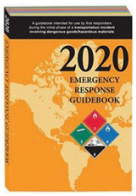


Hydrogen Sulfide (H_2S)

Highly toxic colorless gas

One of the leading causes of work-related deaths in the petroleum industry and most commonly noticed in crude oil operations.

- **2-5ppm**
  - ✓ Prolonged exposure may cause nausea and tearing of the eyes
- **100-150ppm**
  - ✓ Loss of smell (olfactory fatigue or paralysis)
- **500-700ppm**
  - ✓ Staggering, collapse in 5 minutes. Death after 30-60 minutes
- **700-1000ppm**
  - ✓ Rapid unconsciousness, "knockdown" or immediate collapse within 1 to 2 breaths, breathing stops, death within minutes
- **1000-2000ppm**
  - ✓ Nearly instant death



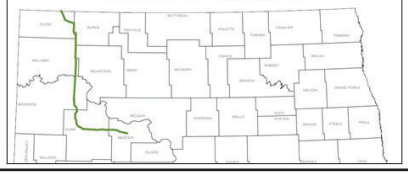
Guide 117
(Page 172)

Carbon Dioxide (CO_2)

Description and Release Characteristics

- CO_2 is a colorless, odorless gas in its purest form
- In the pipeline, CO2 travels in the form of a liquid
- If a release were to occur, it would be as a gas and have a slightly musty odor
- A refrigeration effect would occur with a release producing a vapor cloud (similar to a white smoke cloud) and could be easily dispersed by the wind
- Touching the pipeline or the escaping CO2 near the leak could cause frostbite
- In its gas form, seeks low-lying areas such as valleys and ditches
- CO2 is non-flammable and non-toxic, however, in large amounts it could be harmful if inhaled or lead to difficulty in breathing

North Dakota CO_2 Pipeline



Emergency Response and 811

Derailments, car accidents, excavating/farming mishaps, and natural disasters

PHMSA Advisory Bulletin (2012-08)

- Based on National Transportation Safety Board recommendation
- Inform Emergency Responders about the benefits of 811
- Identify underground utilities in the area
- Notify underground utilities that an incident has occurred

Cherry Valley, IL Train Derailment

An aerial view of the June 19, 2009 Canadian National train derailment wreckage pileup at the grade crossing, after the fire was extinguished. – CHERRY VALLEY FIRE DEPARTMENT
http://www.rrstar.com/x587876582/NTSB-issues-final-report-on-2009-Cherry-Valley-train-wreck

NORTH DAKOTA ONE CALL

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 tank(s) or nearby 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)**

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

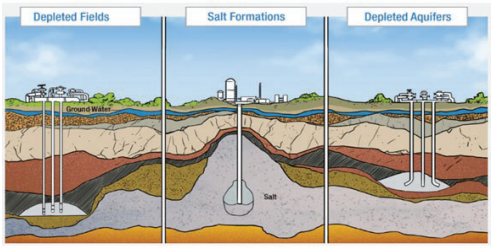
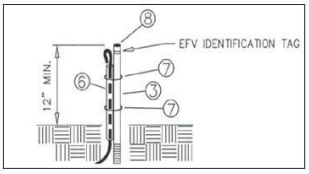


Image Courtesy of API's Energy Infrastructure

Local Distribution Systems

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

Excess Flow Valve Meter Tags

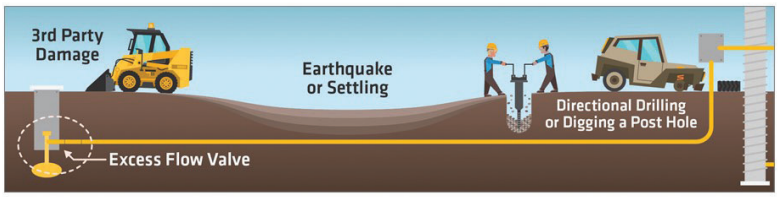


Identification Tags [192.381(c)]
The presence of an excess flow valve on the service lines must be marked with an identification tag. The identification tag will typically be located at the top of the service riser below the meter stop valve.

Excess Flow Valve (EFV)

Local Distribution Lines

- Automatic reduction of gas flow should a 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



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 9-1-1 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"

Training Center

Interaction achieved through face-to-face and virtual programs is invaluable!

In the event others couldn't meet operators virtually

Check out Training Center

- Great supplemental training
- Similar to the information in this presentation
- Access to your local pipeline sponsor information
- Review the entire course or specific sections of the course
- Users can pause and continue training at any point in time
- Download the same documents presented in this program
- Certificate of Completion provided upon completion of course

Training Center is now live:

trainingcenter.pdigm.com Use code: **2021CORE**

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?

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?

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?

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, CO_2, water spray or regular foam.

Large Fire

- Water spray, fog or regular foam.

PRODUCT: Crude Oil	
DOT GUIDEBOOK ID #:	**GUIDE #:**
1267	128
PRODUCT: Diesel Fuel	
DOT GUIDEBOOK ID #:	**GUIDE #:**
1202	128
PRODUCT: Jet Fuel	
DOT GUIDEBOOK ID #:	**GUIDE #:**
1863	128
PRODUCT: Gasoline	
DOT GUIDEBOOK ID #:	**GUIDE #:**
1203	128

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

- 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.

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.

PRODUCT: Propane
DOT GUIDEBOOK ID #: 1075 **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.

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.

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **EXTREMELY FLAMMABLE.**
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- Keep out of low areas.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
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- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

EVACUATION

Large Spill

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- 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.

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Small Fire

- Dry chemical or CO2.

Large Fire

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

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- Cool containers with flooding quantities of water until well after fire is out.
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- Do not direct water at spill or source of leak.
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- 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.

DOT GUIDEBOOK ID #: 1971 **GUIDE #:** 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/2020-08/ERG2020-WEB.pdf

ANDROID APP ON Google play

Download on the App Store

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

Website:www.ae2soperations.com/about.php

AE2S OPERATIONS

ABOUT US

AE2S Operations specializes in water and wastewater infrastructure for industrial facilities and municipalities. We optimize systems, provide support staff, and offer operational services.

BRINGING TOGETHER OPTIMIZATION, OPERATION EXPERTISE, AND RELIABLE SERVICE

AE2S Operations provides operation services of water, wastewater, and produced water infrastructure for industrial and municipal clients. Our team includes licensed operators, treatment experts, regulatory and compliance experts, programmers, and other specialized personnel who can assist you in reaching the optimal performance of your facility or system.

EXPERIENCE & EXPERTISE

Our team members are deployed in several water and wastewater facilities, primarily in the Bakken. Our licensed operators are bridging the gap for municipal facilities, operating freshwater and produced water pipeline systems for oil production, and serving as the go-to experts for packaged treatment systems.

For more information on how AE2S Operations can assist you, please contact Andrea Boe, Business Development Director at (701) 746-8087 or Andrea.Boe@ae2s.com

LOOKING FOR MORE INFORMATION?

Contact us today to find out how AE2S Operations can fill the gap in staffing, optimize your industrial or municipal facilities systems to be most efficient in product and cost, or about our operation services of water and wastewater systems.

EMERGENCY CONTACT:
1-763-463-5036

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie

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

Alliance Pipeline (A Joint Venture of Enbridge and Pembina)

Minot Office
1600 2nd Ave SW
Suite 16
Minot, ND 58701

North Area Office
1520 8th Street S.E.
Valley City, ND 58072
Phone: 701-845-1929
Fax: 701-845-3002

5400 Westheimer Court
Houston, TX 77056
Public Awareness: 1-888-293-7867
Email: USpublicawareness@enbridge.com
Website: www.alliancepipeline.com

Emergency Contact: 1-800-884-8811

INCIDENT ACTION PLAN (Emergency Response Plan):

APL practices the National Incident Management System (NIMS) and will integrate into the Incident Command System (ICS) in an emergency.

- Ensure life safety first, protect environment and property next
- Isolate area and deny entry
- Establish minimum 1/2 mile exclusion zones
- Determine if atmosphere is safe
- Evacuate if necessary and safe
- Notify Alliance Pipeline
- Control ignition sources
- If ignited, all to self-extinguish
- Contain or control secondary fires

INCIDENT COMMAND
Scott Dieterle
Valley City, ND
Phone: (701) 845-1929 x3324
Cell: (701) 490-1836

LIAISON OFFICER
Dan Munthe
Eden Prairie, MN
Phone: (952) 983-1032
Cell: (701) 849-1465

OPERATIONS UNIT LEADER
Matt Daly
Minot, ND
Phone: (701) 818-0807

ALLIANCE PIPELINE UNIQUE CHARACTERISTICS

- Un-odorized
- 1,935 psig - Operating Pressure
- 36” Pipe
- .622” Pipe thickness, thicker under roadways and rivers
- Compressor Stations located every 120 miles
- Automated Block Valves located every 20 miles
- High Energy Natural Gas
  - Methane
  - Propane
  - Butane
  - Ethane
  - Pentane

EMERGENCY CONTACT:
(800) 884-8811

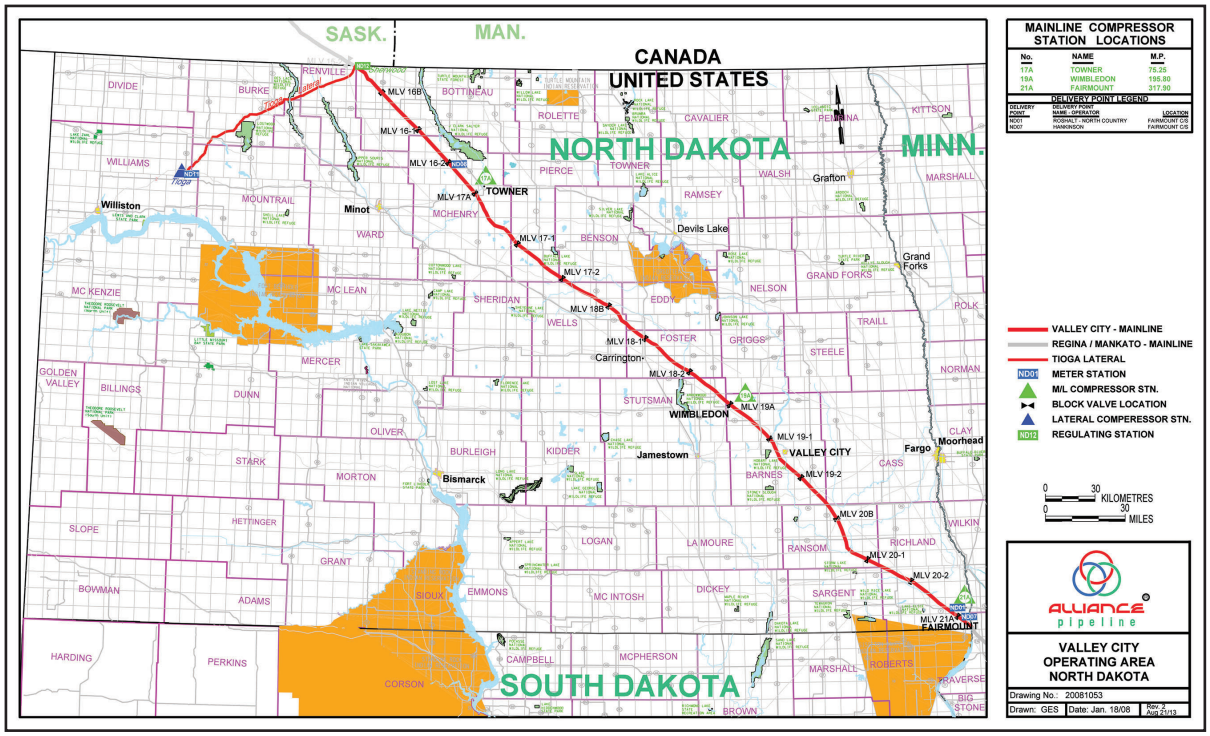
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Barnes	Eddy	Renville
Benson	Foster	Richland
Buchanan	McHenry	Stutsman
Bottineau	Mountrail	Ward
Burke	Pierce	Wells
Cass	Ransom	Williams

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



ALLIANCE PIPELINE MARKERS

Found at road crossings, fencelines and street intersections. Markers do not indicate exact location of pipeline.

10702 Highway 73
Keene, ND 58847
Phone: 701-675-8600

Arrow Pipeline is owned by Crestwood Midstream Partners LP (Crestwood). We are committed to safety and dedicated to educating communities on pipelines and how to avoid pipeline accidents.

Arrow Pipeline, system gathers natural gas, crude, and produced water from independent producers. The system consist of pipelines that vary in size and pressure. Crude Oil is transported from the producer to other cross-country shippers, which will ship via pipelines, and or rail. The natural gas is transported to our Bear Den Gas Plant. Once gas has entered into the facility, it's treated in order to remove excess amounts of water, and the natural gas liquids (NGL) from the gas stream. This is achieved through the process of inlet separation, compression, glycol dehydration, and cryogenic processing. The NGLs are piped, and trucked out to be sold separately from the gas (Methane).

HOW TO RECOGNIZE A PIPELINE LEAK: SIGHT – SOUND – SMELL

- **Look:** A spot of dead or discolored vegetation amid healthy plants, bubbles coming from pools of water, dirt being blown into the air, or fire at or below ground level are signs of a possible leak around the pipeline area.
- **Listen:** Listen for any unusual noise like a hissing or roaring sound.
- **Smell:** Although natural gas is odorless, and Crestwood does not transport odorized gas, an unusual smell or odor may sometimes accompany a pipeline leak.

WHAT TO DO IF A GAS LEAK OCCURS

- Do NOT do anything that would create a spark (an ignition): do not light any matches, switch on equipment or lights, use a cell phone, or drive into a leak or vapor cloud area.
- Immediately evacuate the area – in an upwind direction. Warn others to stay away.
- DO call -911 from a safe location, then call Crestwood at 866-234-7473.

CRESTWOOD EMERGENCY CONTACT PHONE: 866-234-7473

EMERGENCY RESPONSE

In the unlikely event of a fire or gas leak from one of our pipelines or facilities, we are prepared to respond in a timely manner. In order to facilitate such a response, we maintain an Emergency Response Plan and participate in area-wide emergency response drills with other, local, energy companies. Crestwood's Emergency Response Plan is available upon request.

In order to implement such a response, if you notice any signs of an emergency, call -911 or the Crestwood emergency response number: 866-234-7473.

PREVENTING PIPELINE DAMAGE AND LEAKS

One of the largest causes of pipeline accidents is third-party damage caused by someone digging in the vicinity of the pipeline without knowing exactly where the pipeline is located. Laws in all states require that individuals who plan to dig call 811 at least two (2) business days in advance of any excavation activity. A single call to 811 from anywhere in the country is at no charge and connects the caller to the nearest state One-Call Center. The One-Call Center collects information about the proposed digging project and transmits the information to all underground utilities that may be impacted so that the exact location of the lines can be marked before excavation begins.

Any type of excavation whether mechanized or by hand requires a call to 811. Failure to call 811 before digging can result in injuries or deaths, damage to the pipeline, disruption in service, a delay of your project, and possibly a fine or penalty.

If you strike a pipeline during excavation, it is extremely important that you report it by calling our emergency phone number.

EMERGENCY CONTACT:
1-866-234-7473

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115
NGL	1972	115
Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Dunn McKenzie

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

Even a scrape or dent in the pipeline needs to be reported promptly so that we can investigate and repair it. Failure to report a small dent may result in a future leak or serious accident.

FOR ADDITIONAL INFORMATION

For more information regarding operations please visit our website at www.crestwoodlp.com

For additional information on Crestwood pipeline safety program, please call 816-339-5570.

Website: www.auxsable.com

AUX SABLE MIDSTREAM

Operated by Pembina ASM

OPERATOR OVERVIEW

Aux Sable Midstream purchased the Palermo Conditioning Plant and Prairie Rose Pipeline from a wholly owned subsidiary of EOG Resources, Inc. on July 1, 2011. The Prairie Rose Pipeline connects the Palermo Plant to the Alliance Pipeline which delivers high energy dense phase gas to the Aux Sable Liquid Products facility located in Channahon, Illinois for processing. The 12-inch diameter, 83-mile Prairie Rose Pipeline has an estimated capacity of 110 mmcfd, which can be expanded to meet additional future demands.

CALL BEFORE YOU DIG

Prevention plans ensure right-of-ways are clearly marked and free of encroachments. Pipeline markers show the approximate location of pipelines and provide relevant information about the pipeline.

PREVENTATIVE PIPELINE MAINTENANCE

Aux Sable implements safety precautions that ensure the highest standard of safety is maintained. Our pipelines have an anti-corrosive coating and cathodic protection to maintain the long-term integrity. Pipelines are also inspected with smart pigs, which are computer monitoring tools sent through the pipeline to preemptively detect potential problems.

COMMITMENT TO SAFETY, HEALTH & ENVIRONMENT

Aux Sable Midstream is committed to pursue the highest industry standards of health and safety. We ensure compliance with environmental and all other regulatory requirements. Our employees are trained on pipeline emergency response and work with the local Emergency Responders for Communication, Incident Command, and Supplies & Equipment.

Regular communication is maintained with our stakeholders, which include the affected public, emergency responders, public officials, and excavating companies, to ensure the awareness of our pipeline facility and distribute important pipeline safety information.

CONTACT:

Aux Sable Midstream
6138 74th Avenue NW
Palermo, ND 58769
Phone: (701) 628-9393
www.auxsable.com

EMERGENCY CONTACT:
1-701-628-9380

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

McHenry
Mountrail
Ward

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

811
Know what's **below.**
Call before you dig.

AUX SABLE PALERMO CONDITIONING PLANT

The 80 mmfcd Palermo Plant commenced operation in February 2010 and receives gas from four gas gathering systems servicing nearby Bakken shale oil/gas production reas. The plant removes the heavier hydrocarbon compounds while leaving the majority of the natural gas liquids in the rich gas delivered into the Prairie Rose Pipeline.

PRAIRIE ROSE PIPELINE

The 12-inch diameter, 83-mile Prairie Rose Pipeline also commenced operation in February 2010 and gathers gas from the Palermo Plant and other sources for delivery into the Alliance Pipeline system at Bantry, North Dakota. The pipeline has an estimated capacity of 120 mmcfd and can be easily expanded to meet additional demand.

Website: www.truecos.com

ABOUT BELLE FOURCHE PIPELINE COMPANY

Belle Fourche Pipeline is a liquids pipeline operator that gathers and transports crude oil in the Williston basin of Western North Dakota and the Powder River basin of Wyoming. Belle Fourche also operates a products diesel pipeline in Wyoming. Belle Fourche Pipeline is part of a system of pipelines operating over 3,400 miles of pipeline.

EMERGENCY CONTACT:
1-866-305-3741

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Billings
Dunn
Golden Valley
McKenzie
Stark

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

WHAT DOES BELLE FOURCHE PIPELINE COMPANY DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train 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.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

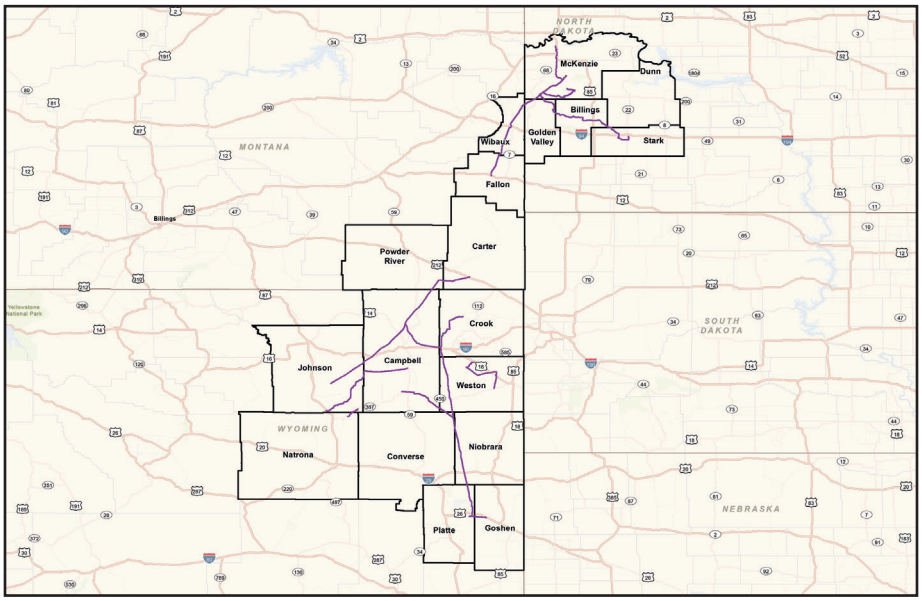
Belle Fourche Pipeline Company invests significant time and capital maintaining the quality and integrity of their pipeline systems. Most active pipelines are monitored 24 hours a day via manned control centers. Belle Fourche Pipeline Company also utilizes aerial surveillance and/or on-ground observers 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. Motor operated control valves are utilized to isolate a leak.

HOW TO GET ADDITIONAL INFORMATION

For more information on Belle Fourche Pipeline, go to www.truecos.com or contact us at 307-266-0300.

PRODUCTS TRANSPORTED IN YOUR AREA

PRODUCT	*LEAK TYPE*	*VAPORS*
HAZARDOUS LIQUIDS [SUCH AS: CRUDE OIL, 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.	



BOE Pipeline LLC
3761 115th Ave SW
Dickinson, ND 58601

COMPANY PROFILE

BOE Pipeline is a 39.5 mile 16-inch diameter pipeline operating between our Killdeer terminal and our existing Bakken Oil Express rail facility west of Dickinson. It has the capacity to move 165,000 bopd. The pipeline provides a safe and efficient means of transporting large volumes of crude oil to our rail facility, and will help to reduce truck traffic on the highway.

CRUDE OIL PIPELINES IN YOUR COMMUNITY

Pipelines are an essential component of our nation's infrastructure. A network of over 200,000 miles of pipelines carries two-thirds of the country's crude oil, natural gas and petroleum products. Pipelines are made of steel covered with a protective coating or plastic poly pipe. They are further protected and maintained through the use of cleaning devices, diagnostic tools, and cathodic protection. Pipelines are monitored in the field through regular patrolling (ground and air), and remotely monitored from control rooms using computer communications systems. Integrity Management Plans (IMP's) are also implemented to further protect sensitive zones defined as High Consequence Areas by pipeline regulators. According to National Transportation Safety Board statistics, pipelines are the safest method for transporting natural gas products.

For additional information, please visit the following sites.

- For general information about Bakken Oil Express, visit: www.boemidstream.com.
- For general pipeline information, visit: www.pipeline101.com.
- For a list of operators in your area, visit: www.npms.phmsa.dot.gov.
- For excavation practices near underground facilities, visit: www.commongroundalliance.com

EMERGENCY CONTACT:
1-844-220-9234

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Petroleum Crude	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Dunn Stark

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

811
Know what's **below.**
Call before you dig.

Website: www.truecos.com

ABOUT BRIDGER PIPELINE LLC COMPANY

Bridger Pipeline LLC is a liquids operator in North Dakota, eastern Montana, and Wyoming with the ability to gather crude oil at Poplar, Fisher, Richey and Glendive for delivery to Butte Pipeline near Baker, Montana for further transportation to Guernsey, Wyoming. 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.

EMERGENCY CONTACT:
1-866-305-3741

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

NORTH DAKOTA COUNTIES OF OPERATION:

Billings
Bowman
Dunn
McKenzie
Mclean
Mountrail
Stark

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

WHAT DOES BRIDGER PIPELINE LLC DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train 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.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

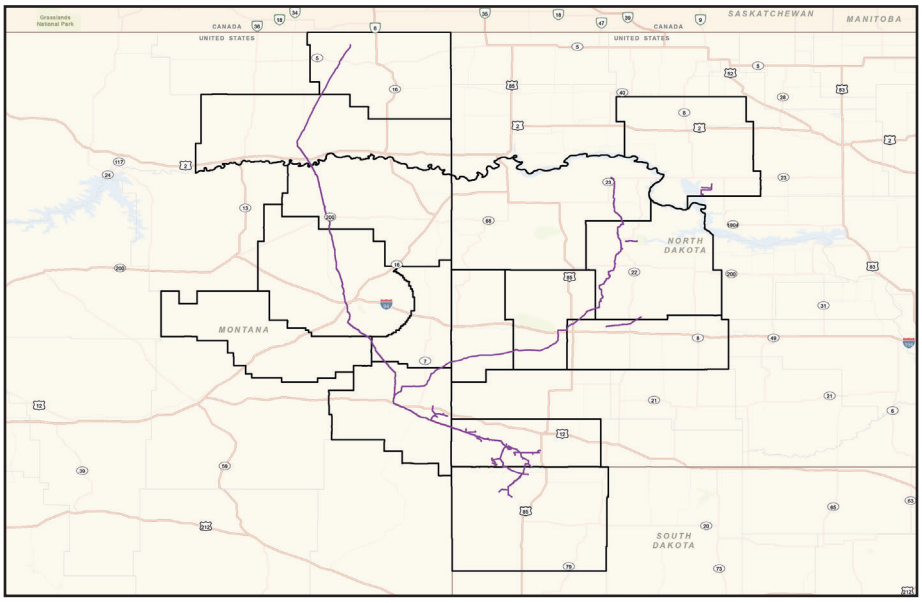
Bridger Pipeline LLC invests significant time and capital maintaining the quality and integrity of their pipeline systems. Most active pipelines are monitored 24 hours a day via manned control centers. Bridger Pipeline LLC also utilizes aerial surveillance and/or on-ground observers to identify potential 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. Motor operated control valves are utilized to isolate a leak.

HOW TO GET ADDITIONAL INFORMATION

For more information on Bridger Pipeline LLC's , go to www.truecos.com or contact us at 307-266-0300.

PRODUCTS TRANSPORTED IN YOUR AREA

PRODUCT	*LEAK TYPE*	*VAPORS*
HAZARDOUS LIQUIDS [SUCH AS: CRUDE OIL, 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.	



950 17th Street, Suite 1000
Denver, CO 80202
info@calibermidstream.com
Website: http://www.calibermidstream.com/

COMPANY PROFILE

Caliber Midstream (Caliber North Dakota, LLC, Caliber Bear Den Interconnect LLC, Caliber Spring Creek, LLC) is an independent, growth-oriented energy infrastructure company that provides a full suite of midstream services to producers in the Bakken and Three Forks shale oil plays. We operate crude, natural gas, and natural gas liquids pipelines located in McKenzie County, ND. We come to work everyday thinking about how we can maintain our excellent health and safety record, improve our operations to minimize surface impacts, operate in an environmentally responsible way and get involved in communities in the Williston Basin through company support and employee engagement.

WHAT DOES CALIBER DO IF A LEAK OCCURS?

To prepare for the event of a leak, Caliber regularly communicates, plans and trains with local emergency responders. Upon the notification of an incident or leak, we 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. Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Caliber invests significant time and capital maintain the quality and integrity of their pipeline systems. Caliber utilizes aerial

EMERGENCY CONTACT:
1-866-535-2522

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
Natural Gas	1971	115
NGLs	1972	115

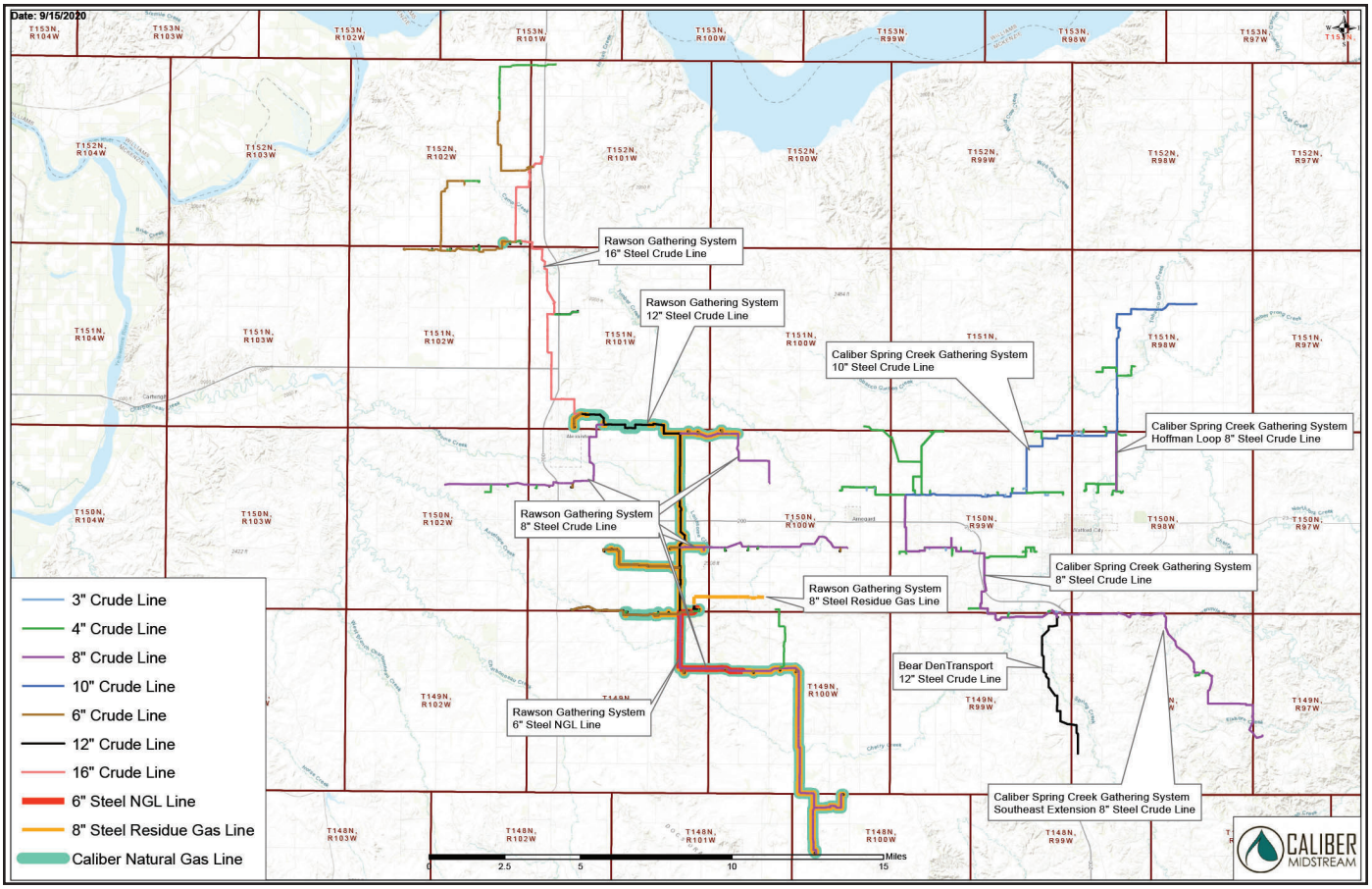
NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie Williams

MONTANA COUNTIES OF OPERATION:

Roosevelt

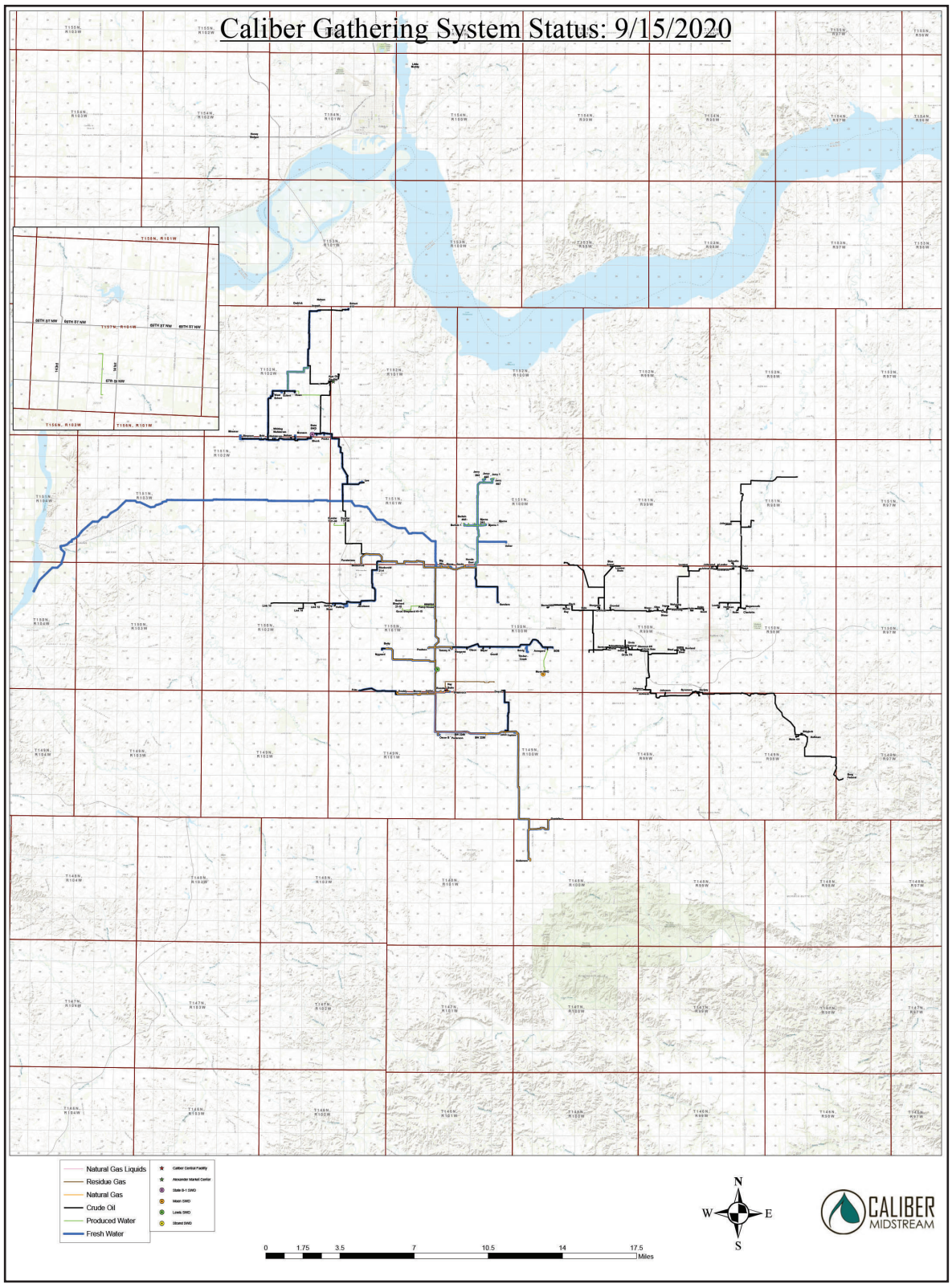
Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



surveillance and/or on-ground observers to identify potential dangers. Calibers pipeline systems are continuously monitored through internal and external measures in order to assess changes in pressure, flow and the overall integrity of our pipeline systems. Automatic shut-off valves are sometimes utilized to isolate a leak. Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as (IMPs). Specific information about our program may be obtained upon request by contacting us directly.

HOW TO GET ADDITIONAL INFORMATION

For an overview of Caliber's Integrity Management Program, or additional information, contact us at info@calibermidstream.com.



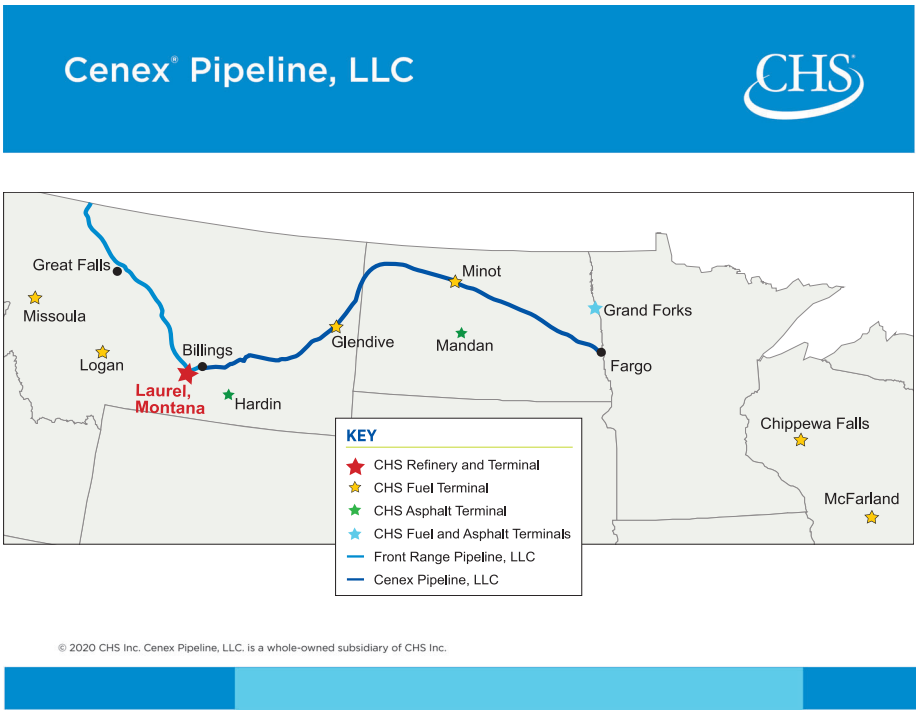
Cenex Pipeline LLC, a wholly-owned subsidiary of CHS Inc.

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 700 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. Looking to the future and as further commitment to our communities, CPL replaced the 8-inch segment of line from Sidney, MT to Minot, ND with a state-of-the-art 10-inch pipeline in 2020.



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. 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. For additional information, contact us via email, phone or visit our web site as listed above.

EMERGENCY CONTACT:
1-800-421-4122

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Gasoline	1203	128
Diesel Fuel	1202/1993	128

NORTH DAKOTA COUNTIES OF OPERATION:

Barnes	Mountrail
Cass	Pierce
Eddy	Steele
Foster	Ward
Griggs	Wells
McHenry	Williams

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

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 the emergency number on the nearest pipeline marker.

Cenex Pipeline, LLC Pipeline Marker Types

12324 60th St NW
Epping, ND 58843
Phone: 701-859-5001

Millions of miles of pipelines are used to move energy resources each day from areas of production to consumers. Pipelines are the most efficient, economic, and safest method of transporting crude oil.

As our neighbor, and a consumer of energy resources, you can help ensure the integrity and safety of pipeline operations.

If you have questions or concerns relating to information found here, please contact Crestwood 24 hours a day at: 817-339-5570.

The Crestwood COLT and Dakota Pipeline facilities are dedicated to safely transporting and storing crude oil produced in the Bakken Shale region. Crude oil is transported through a transmission pipeline to an above ground storage and rail loading terminal.

HOW TO RECOGNIZE A PIPELINE LEAK: SIGHT – SOUND – SMELL

- **Look:** A spot of dead or discolored vegetation amid healthy plants, bubbles coming from pools of water, dirt being blown into the air, or fire at or below ground level are signs of a possible leak around the pipeline area.
- **Listen:** Listen for any unusual noise like a hissing or roaring sound
- **Smell:** Although natural gas is odorless, and Crestwood does not transport odorized gas, an unusual smell or odor may sometimes accompany a pipeline leak.

WHAT TO DO IF A GAS LEAK OCCURS

- Do NOT do anything that would create a spark (an ignition): do not light any matches, switch on equipment or lights, use a cell phone, or drive into a leak or vapor cloud area
- Immediately evacuate the area – in an upwind direction. Warn others to stay away.
- DO call -911 from a safe location, then call Crestwood at 855-489-8457

CRESTWOOD EMERGENCY CONTACT PHONE: 855-489-8457

EMERGENCY RESPONSE

In the unlikely event of a fire or gas leak from one of our pipelines or facilities, we are prepared to respond in a timely manner. In order to facilitate such a response, we maintain an Emergency Response Plan and participate in area-wide emergency response drills with other, local, energy companies. Crestwood's Emergency Response Plan is available upon request.

In order to implement such a response, if you notice any signs of an emergency, call 911 or the Crestwood Emergency Response number: 855-489-8457.

PREVENTING PIPELINE DAMAGE AND LEAKS

One of the largest causes of pipeline accidents is third-party damage caused by someone digging in the vicinity of the pipeline without knowing exactly where the pipeline is located. Laws in all states require that individuals who plan to dig call 811 at least two (2) business days in advance of any excavation activity. A single call to 811 from anywhere in the country is at no charge and connects the caller to the nearest state One-Call Center. The One-Call Center collects information about the proposed digging project and transmits the information to all underground utilities that may be impacted so that the exact location of the lines can be marked before excavation begins.

Any type of excavation whether mechanized or by hand requires a call to 811. Failure to call 811 before digging can result in injuries or deaths, damage to the pipeline, disruption in service, a delay of your project, and possibly a fine or penalty.

EMERGENCY CONTACT:
1-855-489-8457

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115
NGL	1972	115
Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Williams

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

If you strike a pipeline during excavation, it is extremely important that you report it by calling our emergency phone number. Even a scrape or dent in the pipeline needs to be reported promptly so that we can investigate and repair it. Failure to report a small dent may result in a future leak or serious accident.

FOR ADDITIONAL INFORMATION

For more information regarding operations please visit our website at www.crestwoodlp.com

For additional information on Crestwood pipeline safety program, please call: 817-339-5570.

1300 Main St.
Houston, TX 77002
Phone: 713-989-7000
Website: www.energytransfer.com

Energy Transfer Partners, a Texas-based energy company founded in 1995 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

Strategically positioned in all of the major U.S. production basins, the company owns and operates a geographically diverse portfolio of energy assets, including midstream, intrastate and interstate transportation and storage assets. Energy Transfer operates more than 90,000 miles of natural gas, crude oil, natural gas liquids and refined products pipelines and related facilities, including terminalling, storage, fractionation, blending and various acquisition and marketing assets in 38 states

- Intrastate Transportation and Storage Operations – approximately 7,900 miles of natural gas pipelines and three storage facilities.
- Interstate Transportation and Storage Operations – approximately 19,000 miles of natural gas pipelines; 10,770 miles of crude oil pipelines; and 2,200 miles of refined products pipelines along with 40 refined products marketing terminals.
- Midstream Operations – approximately 40,000 miles of natural gas gathering pipelines and more than 60 processing, treating and conditioning plants.

- NGL Transportation and Services – approximately 4,800 miles of NGL pipelines, three processing plants, four fractionation facilities and NGL storage facilities with aggregate working storage capacity of approximately 53 million Bbls.

Dakota Access Pipeline (DAPL) is an approximately 1,200-mile crude oil pipeline that extends from the Bakken/ Three Forks production area in North Dakota to a storage and terminalling hub near Patoka, Illinois. Dakota Access, a joint venture, is operated by Sunoco Pipeline.

For more information about local operations of DAPL, please contact us:

Mountrail and Williams counties:
Timothy Taylor
Pipeline Supervisor
701-495-6642 (w), 701-300-4203 (m)
timothy.taylor2@energytransfer.com

EMERGENCY CONTACT:
1-800-753-5531

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

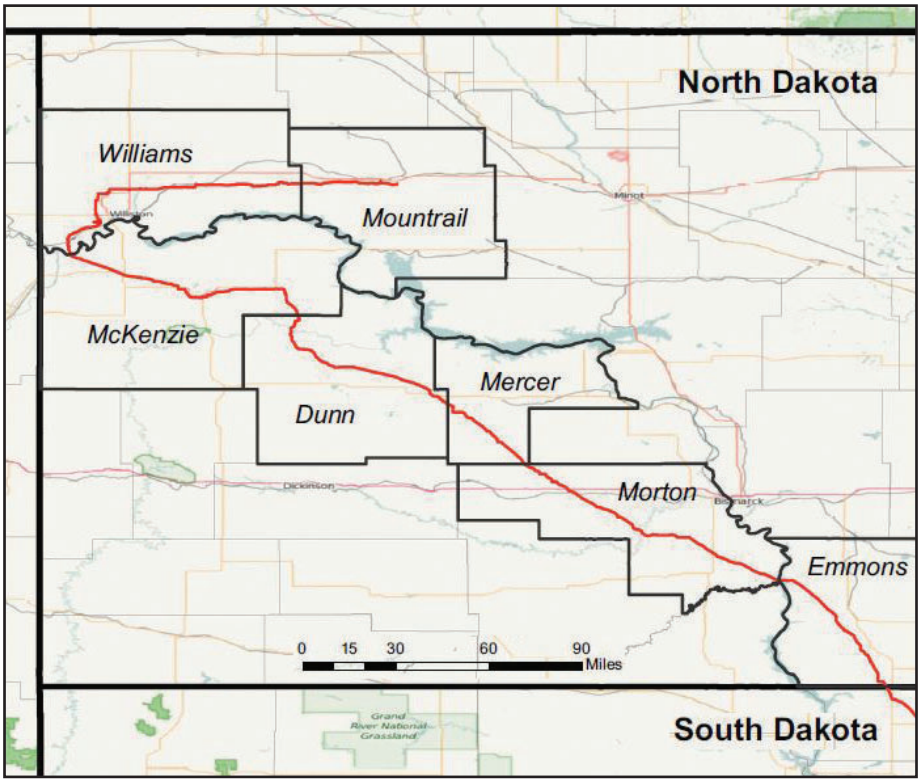
Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Dunn	Morton
Emmons	Mountrail
McKenzie	Williams
Mercer	

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

Dunn, Emmons, McKenzie, Mercer and Morton counties:
Greg Onge
Pipeline Manager
346-231-3814 (w), 701-334-1822 (m)
gregory.onge@energytransfer.com



DAKOTA GASIFICATION COMPANY
A BASIN ELECTRIC POWER COOPERATIVE SUBSIDIARY

Website: www.dakotagas.com

A CULTURE OF SAFETY

Dakota Gasification Company (Dakota Gas) is committed to public safety, protection of the environment, and operation of its facility in compliance with all applicable rules and regulations. Dakota Gas employs a qualified staff of professionals committed to safely transporting synthetic natural gas and carbon dioxide.

Dakota Gas, through its parent company Basin Electric Power Cooperative, is using Caterpillar Safety Services Zero-Incident Performance (ZIP) process to give employees and management the framework within which to create a culture of safety.

The campaign is called Our Power, My Safety. The ultimate goal is to build a safety culture where managers and supervisors are visibly committed, involved and performance-focused; employees are actively participating; and the system is flexible and perceived in a positive light.

The program has resulted in significant reductions in releases to air, land and water, major improvements in workplace and community safety, and expanded programs to research and test chemicals for potential health and environmental impacts.

OUR COMMITMENT TO THE ENVIRONMENT

Dakota Gas has a strong commitment to the environment. We have improved our environmental footprint by achieving better reliabilities, improved efficiency, and meeting environmental goals. The Great Plains Synfuels Plant, owned and operated by Dakota Gas, meets or exceeds all state and federal laws. Based on stack emissions, it is the cleanest energy plant operating in North Dakota.

The Synfuels Plant features a unique flue gas desulfurization unit – or scrubber – that began operating in 1996. Installed to remove sulfur dioxide from the plant's flue gases, the scrubber is unusual because it uses anhydrous ammonia as the scrubbing reagent, producing a valuable fertilizer, ammonium sulfate, marketed as Dak Sul 45, instead of a waste product.

Dakota Gas is an international leader in the capture, compression, and sequestration of carbon dioxide.

Since 2000, Synfuels Plant carbon dioxide that would otherwise be emitted into the atmosphere has been compressed and delivered through a 205-mile pipeline to oilfields in Canada for use in enhanced oil recovery.

As an environmental benefit, virtually all of the injected carbon dioxide will remain permanently sequestered in the depleted oil fields long after they have been abandoned. With three compressors in operation, Dakota Gas can now capture and deliver for sequestration 48.8 percent of carbon dioxide produced at the Synfuels Plant, which represents 16 percent of carbon dioxide produced from all the coal combusted from the nearby Freedom Mine — making it a proven technical and economic success for both Dakota Gas and its Canadian customers.

Dakota Gas reinforced its commitment to safety and the environment by adopting the American Chemistry's Council Responsible Care Policy in 2007. Responsible Care is a voluntary program to achieve improvements in environmental, health, security and safety performance beyond levels required by the U.S. government.

Dakota Gas completed the auditing process to be-come a certified Responsible Care®company in 2008. To qualify, a company must have reduced environmental releases and achieve an employee safety record more than five times safer than the average U.S. manufacturing sector.

EMERGENCY CONTACT:
1-866-747-3546

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Carbon Dioxide	1267	128
Synthetic Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

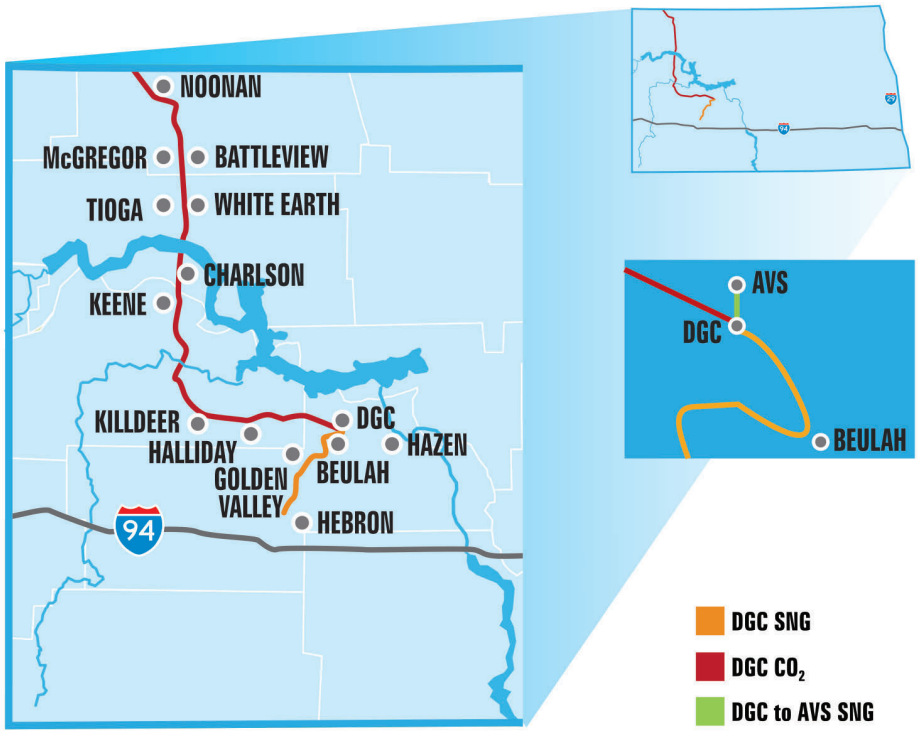
Divide	Mercer
Dunn	Williams
McKenzie	

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

CONTACT NUMBERS AND ADDRESSES

Kurt Dutchuk
SNG/CO2 Pipeline Supervisor
420 County Road 26
Beulah, ND 58523
kdutchuk@bepc.com
Phone: 701-873-6367
Cell: 701-880-1129

Claude O'Berry
Pipeline Superintendent
420 County Road 26
Beulah, ND 58523
coberry@bepc.com
Phone: 701-873-6703
Cell: 701-870-6703



DAKOTA NATURAL GAS

Corporate Office:
1900 Cardinal Lane, PO Box 798
Faribault, MN 55021
Phone: (888) 933-9743
Fax: (507) 665-8602
Website: www.dakotanaturalgas.com

OPERATOR OVERVIEW

Dakota Natural Gas, LLC (DNG) is a regulated natural gas energy company providing natural gas distribution service to residential, commercial, industrial and agricultural customers. Pipeline sizes range from two to six inches in diameter and are comprised of medium density plastic, highly density plastic and steel.

DNG Service Center
406 Hwy 66
PO Box 189
Drayton, ND 58225

SAFETY IS OUR TOP PRIORITY

We are committed to public safety, health and the environment through protection, operation, maintenance and routine inspection in compliance with all applicable rules and federal regulations. Our technicians are trained to assure a safe response to operational issues and gas-related emergencies. We conduct periodic leak inspection and patrol for activities near pipelines that may have an impact on safety.

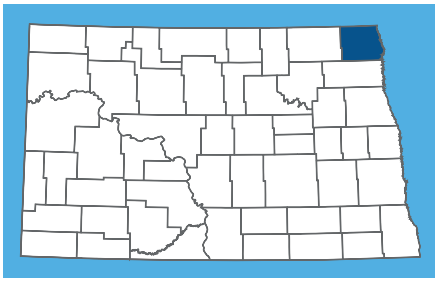
Our Pipeline Awareness Program helps prevent third-party damage and increases the public's awareness of steps to take in the event of any pipeline emergency.

For a copy of our Integrity Management Plan, Damage Prevention Plan, Pipeline Awareness or Emergency Response Plan please call us at (888) 933-9743.

HOW WE RESPOND IN THE EVENT OF A PIPELINE LEAK OR LINE HIT

To prepare for an event, we communicate, plan and train with local emergency responders. Upon notification of an event, trained and qualified personnel are dispatched in response. Our technicians, in partnership with emergency responders, are trained to protect life, property and facilities.

DNG offers training to emergency response organizations on the hazards of and how to respond to gas-related emergencies at no cost. If you are interested in this training, please call (888) 933-9743.



WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

HOW CAN YOU TELL WHERE A PIPELINE IS LOCATED?

Natural gas pipelines are installed underground. Therefore, to identify the approximate location, line markers are installed with the company name and emergency telephone number.

EMERGENCY CONTACT:
(888) 933-9743

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Pembina

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

811
Know what's **below.**
Call before you dig.

ALWAYS CALL BEFORE YOU DIG

Whether you are a professional excavator or homeowner, in accordance with North Dakota law, you must contact North Dakota One-Call before starting any excavation project if you are using any machine-powered equipment of any kind, or explosives. You may be simply installing a new mail box or planting a tree, whatever the project may be, contacting North Dakota One-Call before starting your project may allow you to avoid costly damages to underground facilities. Call 811 or visit: www.ndonecall.com to start the process. Allow at least two business days before digging.

NORTH DAKOTA ONE CALL

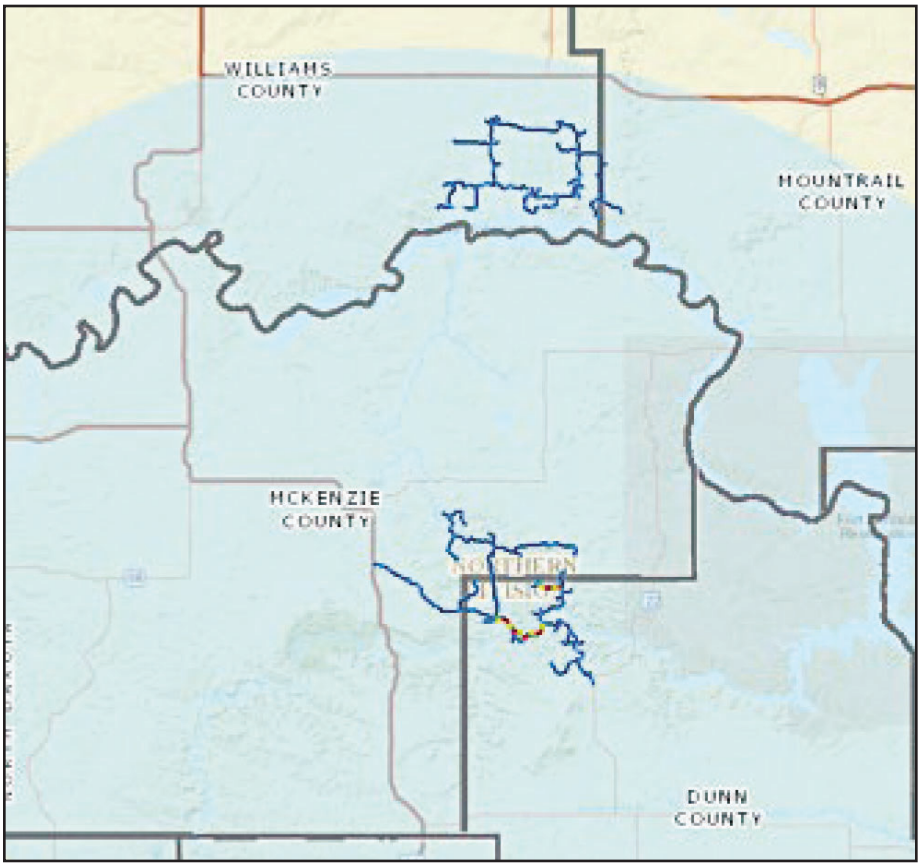
499 Sheridan, Suite 1500, M/C 760
Oklahoma City, OK 73102
Non-emergency number: 800-829-9922
Website: www.enablemidstream.com

Enable Midstream Partners, LP, operates a crude oil pipeline, known as Enable Bakken Crude Services, LLC. The crude oil and produced water gathering pipeline system services multiple wells in Dunn, McKenzie, Mountrail and Williams Counties, North Dakota. The crude oil pipeline system includes approximately 28 miles of 8-inch-diameter steel trunk line designed to initially carry up to 14,000 barrels per day (BPD). An additional approximately 57 miles of gathering network pipeline comprised of 6-inch diameter steel pipeline (89 miles), 4-inch diameter steel pipeline (66 miles) and 3-inch diameter steel pipeline (42 miles) would be used to construct three primary laterals that would deliver oil into the trunk line.

Pipeline markers are placed along the pipeline route to indicate the approximate location of the line and to identify where the pipeline intersects with a street, highway, railway or river. Markers display the material transported in the line, the name of the pipeline operator and an emergency telephone number.

COMMITMENT TO SAFETY, HEALTH & ENVIRONMENT

Enable Midstream Partners is committed to the safe and reliable operations of its pipelines in your community. According to the National Transportation Safety Board statistics, pipelines are the safest and most economical method of transporting products. We monitor the operations of our pipelines, which are designed, installed, tested and operated and maintained in accordance with all applicable federal and state requirements. Public awareness includes educational outreach with excavating contractors, emergency response offices, appropriate public officials and affected public.



EMERGENCY CONTACT:
1-800-474-1954
Enable Bakken Crude Services

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Dunn	Mountrail
McKenzie	Williams

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

If a gas pipeline emergency were to occur, Enable Midstream personnel will work directly with local emergency responders. Our priorities at the scene of a pipeline emergency are the same as yours - protect people, property and the environment.

Enable Midstream field personnel are trained in Incident Command Structure (ICS) and familiar with how to work with local responders within the ICS framework. Enable Midstream personnel will restrict the flow of product and implement other operating actions as needed to minimize the impact of the emergency. Public safety officials and other non-company personnel should not attempt to operate pipeline valves. Improper operation of pipeline valves can cause other accidents to occur.

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

ENBRIDGE
Life Takes Energy®

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 **www.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 **www.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.

EMERGENCY CONTACT:

1-800-858-5253 (Liquids)

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Crude Oil	1267	128
Crude Oil	1075	115
Crude Oil	1268	128

NORTH DAKOTA COUNTIES OF OPERATION:

Benson	Nelson
Bottineau	Pembina
Burke	Pierce
Divide	Ramsey
Grand Forks	Renville
McHenry	Ward
McKenzie	Williams
Mountrail	

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

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.

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

Website: www.equinor.com

equinor

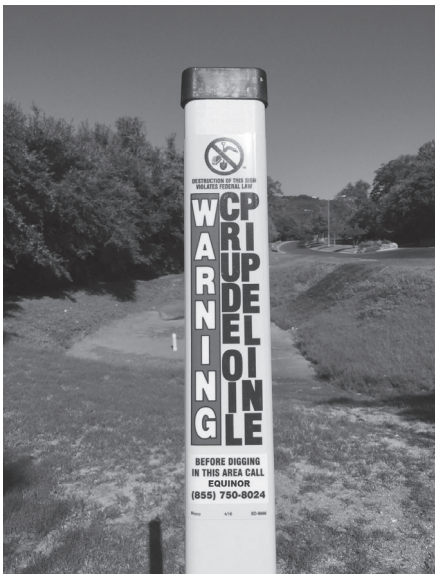
COMPANY PROFILE

Equinor is an international energy company with operations in more than 30 countries. Building on more than 40 years of experience from oil and gas production on the Norwegian continental shelf, we are committed to accommodating the world's energy needs in a responsible manner, applying technology and creating innovative business solutions. We are headquartered in Stavanger, Norway with approximately 23,000 employees worldwide, and are listed on the New York and Oslo stock exchanges.

Equinor operates pipelines within McKenzie, and Williams counties in North Dakota. These pipelines are an integrated component of Equinor's onshore operations in the Bakken shale.

CALL BEFORE YOU DIG. IT'S THE LAW!

Because even relatively minor excavation activities like landscaping or fencing can cause damage to a pipeline, its protective casing and/or buried utility lines, always contact your state One-Call Center before engaging in any excavation, construction, farming or digging. Most states require 48 hours notice to the One-Call Center to allow the utility operators to mark their pipelines and utilities at your proposed digging site. In fact, most serious damage done to pipelines is done when a third party inadvertently excavates, blasts or drills within a pipeline right-of-way. By contacting the One-Call Center first, this type of damage can be prevented. Sometimes pipeline companies will require a representative present to monitor the safe excavation.



One easy FREE phone call to 811 or visit www.ndonecall.com starts the process to get your underground pipelines and utility lines marked. When you call 811 from anywhere in the country, your call will be routed to your state One-Call Center. Once your underground lines have been marked for your project, you will know the approximate location of your pipelines and utility lines, and can dig safely. More information regarding 811 can be found at www.call811.com.

HOW WOULD YOU KNOW WHERE THE PIPELINE IS?

Most pipelines are underground, where they are more protected from the elements and minimize interference with surface uses. Even so, pipeline rights-of-way are clearly identified by pipeline markers along pipeline routes that identify the approximate—NOT EXACT—location of the pipeline. It also contains Equinor information, type of product transported, and the emergency contact number. Markers do not indicate pipeline burial depth, which will vary.

WHAT DOES EQUINOR DO IF A LEAK OCCURS?

To prepare for the event of a leak, Equinor personnel communicate, plan and train with local emergency responders. Upon the notification of an incident or leak, Equinor will immediately dispatch trained personnel to assist emergency responders.

Equinor personnel and emergency responders are trained to protect people, the environment and property in the event of an emergency. Equinor will take steps to minimize the amount of gas that leaks and any impacts to the surrounding community.

EMERGENCY CONTACT:
1-855-750-8024

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Condensate	3295	128
Crude Oil	1267	128
Natural Gas	1971	115
Produced Water	-	-

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie Williams

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

HOW WOULD YOU RECOGNIZE A PIPELINE LEAK?

- Sight: A low-lying, dense white cloud or fog originating near the pipeline location; a pool of liquid on the ground near a pipeline; dead or discolored vegetation amid healthy plants; water bubbling or being blown into the air; frozen ground near the pipeline; fire or explosion near the pipeline.
- Sound: An unusual hissing or roaring sound coming from the vicinity of the pipeline or a connecting facility.
- Smell: Any strange or unusual odor in the area of the pipeline.

WHAT TO DO IN THE EVENT A LEAK WERE TO OCCUR:

- Turn off all equipment and eliminate any ignition sources without risking injury.
- Leave the area by foot immediately. Try to direct any other bystanders to leave the area. Attempt to stay upwind.
- From a safe location, notify Equinor immediately and call 911 or your local emergency response number. Equinor and the 911 operator will need your name, your phone number, a brief description of the incident, and the location so the proper response can be initiated.

WHAT NOT TO DO IN THE EVENT A LEAK WERE TO OCCUR:

Your personal safety should be your first concern.

- DO NOT cause any open flame or other potential source of ignition such as an electrical switch, vehicle ignition, light a match, etc. Do not start motor vehicles or electrical equipment. Do not ring doorbells to notify others of the leak. Knock with your hand to avoid potential sparks from electric doorbells.
- DO NOT come into direct contact with any escaping liquids or vapors.
- DO NOT drive into a leak or vapor cloud while leaving the area.
- DO NOT attempt to operate any pipeline valves yourself. You may inadvertently route more product to the leak or cause a secondary incident.
- DO NOT attempt to extinguish a petroleum product fire. Wait for local firemen and other professionals trained to deal with such emergencies.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Equinor invests significant time and capital maintaining the quality and integrity of their pipeline systems. Equinor also utilizes groundsurveillance patrolling to identify potential dangers. Field personnel are immediately notified if there is a possibility of a leak. System valves can be utilized to isolate a leak.

WHAT TO DO IN CASE OF DAMAGING/DISTURBINGAPIPELINE

State laws require you to call 811 prior to all excavation activities, including hand digging. The law also requires excavators maintain a minimum clearance, or tolerance zone, on either side of the pipeline, between the point of excavation and a marked pipeline. Check with your state one-call for tolerance zone requirements in your state.

If you cause or witness even minor damage to a pipeline or its protective coating, please immediately notify Equinor at 1-855-750-8024. Even a small disturbance to a pipeline may cause a future leak. A gouge, scrape, dent or crease is cause enough for the company to inspect the damage and make repairs.

PLANNING, ZONING AND PROPERTY DEVELOPMENT

It is crucial to coordinate with Equinor to take the location of the pipeline into consideration in land use plans, zoning, and property development activities. Property developments can make use of pipeline easements as open spaces and greenway connectors. Pipeline depth is a crucial consideration during development planning to ensure costs for lowering or relocation are identified. Changes to the topography on either side of the pipeline may impose unacceptable stresses on the pipeline. Equinor would like to help in the coordination during the development of site plans where large numbers of people congregate, e.g. schools, churches, and shopping centers.

WHAT IS A RIGHT-OF-WAY AND CAN I BUILD OR DIG ON IT?

Equinor works diligently to establish written agreements, or easements, with landowners to allow for ease of construction and maintenance when they cross private property. Rights-of-way (ROW) are often recognizable as corridors that are clear of trees, buildings or other structures except for the pipeline markers. A ROW may not have markers clearly present and may only be indicated by cleared corridors of land, except where farm land or crops exist. County Clerk's Offices also have record of easements which are public record.

Encroachments upon the pipeline right-of-way inhibit Equinor's ability to reduce the chance of third-party damage, provide right-of-way surveillance and perform routine maintenance and required federal/state inspections. In order to perform these critical activities, Equinor maintenance personnel must be able to easily and safely access the pipeline right-of-way, as well as areas on either side of the pipeline. Keeping trees, shrubs, buildings, fences, structures and any other encroachments well away from the pipeline ensures that the pipeline integrity and safety are maintained.

For questions concerning planned excavation activities adjacent to Equinor pipelines or any planned construction activity where a Equinor pipeline right-of-way is visible Please contact contact Equinor at 1-855-750-8024.

PIPELINE PURPOSE AND RELIABILITY

Equinor operates pipelines that transport three phase production. Three phase production may include a combination of natural gas, sour gas (also known as poison gas or gas encompassing H2S), condensate, crude oil and produced water.

Pipelines are the safest and most efficient means of transporting natural gas and petroleum products, according to National Transportation Safety Board statistics. These pipelines transport the natural gas, which provides about 24 percent of all the energy used in the United States, and over 700 million gallons of petroleum products per day.

In the United States alone, there are over 200,000 miles of petroleum pipelines and 300,000 miles of natural gas transmission pipelines in use every day. Transmission pipelines are typically larger than gathering and distribution lines. They transport energy products across the country and to storage facilities. Compressor stations and pumping stations are located along transmission and gathering pipeline routes and help push energy products through the line.

Local Distribution Companies deliver natural gas to most homes and businesses through underground main and utility service lines. These lines cover over 800,000 miles of underground pipeline in the United States.

TRANSMISSION PIPELINE MAPPING

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

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

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

HOW CAN YOU HELP?

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. Equinor is responsible for the safety and security of their pipelines. To help maintain the integrity of its pipeline and rights-of-way, it is essential that pipeline and facility neighbors protect against unauthorized excavations or other destructive activities.

HERE'S WHAT YOU CAN DO TO HELP:

- Become familiar with Equinor's pipeline and pipeline facilities in the area (marker signs, fence signs at gated entrances, etc).
- Record Equinor's contact information and any pipeline information from nearby marker/facility signs and keep in a permanent location near the telephone.
- Be aware of any unusual or suspicious activities or unauthorized excavations taking place within or near the pipeline right-of-way or pipeline facility; report any such activities to Equinor and the local law enforcement.

EMERGENCYRESPONDERACTIONS IN A PIPELINE EMERGENCY

The following guidelines are designed to ensure the safety of those in the area if a petroleum product pipeline leak is suspected or detected:

- Public safety and environmental protection are the top priorities in any pipeline emergency response.
- Secure the area around the leak to a safe distance. Because vapors from the products carried in pipelines can migrate great distances, it is important to remove all ignition sources from the area. If safe, evacuating people from homes, businesses, schools and other places of congregation, as well as controlling access to the site may be required in some incident scenarios. Sheltering in place may be the safest action if the circumstances make going outdoors dangerous.
- Establish a command center. Work with Equinor representatives as you develop a plan to address the emergency. Equinor will need to know:
- Your contact information and the location of the emergency
- Size, characteristics and behavior of the incident, and if there are any primary or secondary fires
- Any injuries or deaths
- The proximity of the incident to any structures, buildings, etc.
- Any environmental concerns such as bodies of water, grasslands, endangered wildlife and fish, etc.
- Evacuate or shelter in place. Depending on the quantity of product released, or other variables, it may be necessary to evacuate the public or have the public shelter in place. Evacuation route and the location of the incident will determine which procedure is required, but both may be necessary. Evacuate people upwind of the incident if necessary. Involving Equinor may be important in making this decision.
- Equinor will make their Emergency Response Plan information available to Emergency Responders upon request.

911 DISPATCH

911 Dispatch personnel play a critical role in effective response to pipeline incidents. Knowing the companies, their contact information, and the products transported in your respective jurisdiction is important for prompt and correct responses in the case of a pipeline incident. Dispatchers actions can save lives, direct the appropriate emergency responders to the scene, and protect our nations' infrastructure from additional issues that can be caused by improper response. Follow these simple guidelines in the case of a pipeline incident:

- Gather the proper information (if possible): company, product, and release characteristics
- Know the appropriate response to each product
- Know the wind direction at the time
- Warn of ignition sources if possible
- Dispatch appropriate emergency responders
- Contact Equinor at 1-855-750-8024

The information provided in this brochure, including but not limited to, One-Call center information, Web sites, state laws, regulatory agencies, has been gathered using the most up to date information available, and provided for informational purposes only. All matter is subject to change without notice.

The Paradigm Alliance, Inc. made an attempt to verify all information contained herein as to its accuracy, and is not liable for any missing or incorrect information.

GREAT PLAINS
NATURAL GAS CO.
A Division of Montana-Dakota Utilities Co.
In the Community to Serve®

Headquarters:
Great Plains Natural Gas Co.
400 N. Fourth St.
Bismarck, ND 58501
Website: www.gpng.com

OPERATOR OVERVIEW

Great Plains Natural Gas Co. (Great Plains) operates approximately 1,000 miles of natural gas pipeline. This natural gas is delivered for household, commercial and industrial use. Great Plains 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 natural gas 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. Great Plains maintains memberships in industry associations, and we continually evaluate our security procedures for enhancement. At Great Plains 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. Great Plains 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, 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 and/or training please contact Great Plains at awareness@gpng.com or 1-877-267-4764.

EMERGENCY CONTACT:
(877) 267-4764

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

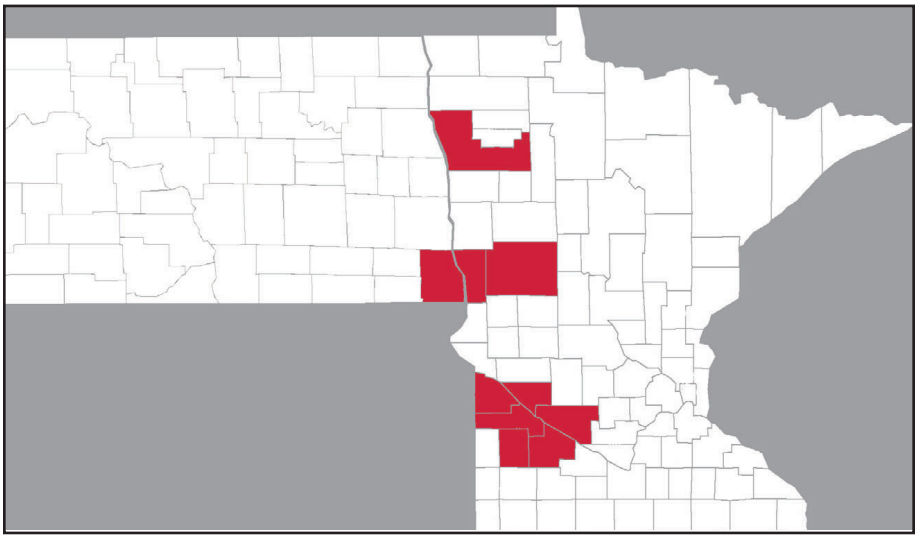
NORTH DAKOTA COUNTIES OF OPERATION:

Richland

MINNESOTA COUNTIES OF OPERATION:

Chippewa
Lac Qui Parle
Lyon
Ottertail
Polk
Redwood
Renville
Wilkin
Yellow Medicine

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



6201 81st Avenue NW
Stanley, ND 58784-0639
Non-Emergency Phone: (866) 994-4775
Website: hawthornoiltransportation.com
Email: publicawareness@eogresources.com

ABOUT HAWTHORN OIL TRANSPORTATION (NORTH DAKOTA), INC.

Hawthorn Oil Transportation operates an 8” diameter pipeline to transport North Dakota Bakken crude oil from the storage tanks south of Stanley, North Dakota, to a rail facility located approximately two miles northeast of Stanley. This line has the capacity to transport up to 60,000 barrels per day and was placed in service in March 2010.

PRODUCTS TRANSPORTED AND COUNTIES INVOLVED

Product	Description	Health and Fire Hazards	Counties Involved
Crude Oil	**Leak:** Liquid **Vapors:** Heavier than air Can be flammable. Dark brown spots on the ground, dead vegetation or an oily sheen on top of the ground or floating on the surface of a body of water may indicate the presence of a leak in a crude oil pipeline system.	**Health:** Irritation of the eyes and skin may occur with exposure. Vapors may cause central nervous system effects. **Fire:** Crude oil is an extremely flammable liquid or vapor that is heavier than air. May accumulate in low areas, and may travel considerable distances to an ignition source.	Mountrail

PIPELINE RIGHT-OF-WAY MARKER

EMERGENCY CONTACT:
1-888-814-0188

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Mountrail

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

Hess Corporation

3015 16th Street SW
Suite 20
Minot, ND 58701
Phone: 701-420-6900
Website: www.hess.com

OPERATOR OVERVIEW

Hess Corporation is a leading global independent energy company engaged in the exploration and production of crude oil and natural gas. Hess is committed to meeting the highest standards of corporate citizenship and creating a positive impact on the communities where it operates.

Today, Hess operates approximately 1500 producing wells across an area of roughly 550,000 acres in the Bakken oilfield. Hess has invested significant resources to develop a world class oil and gas production and gathering operation in the Bakken and to safely and efficiently transport crude oil and natural gas out of North Dakota to domestic and international markets. Hess assets in the Bakken include a gas plant, rail and trucking facilities and both non-regulated and regulated Hazardous Liquid (Crude Oil), Natural Gas, and Natural Gas Liquid pipelines. These operations occur primarily in three North Dakota counties: McKenzie, Mountrail, and Williams.

PROTECTING PUBLIC SAFETY AND OUR ENVIRONMENT

Hess has made a firm commitment to protecting Public Safety and the environment in all areas of our operation. Meeting this commitment requires us to be aware of, to think about and to follow the health and safety laws, regulations and policies relating to the activities for which we are responsible.

As part of this commitment, Hess has designed procedures for reducing or eliminating risk to surrounding communities and of damage to the environment. We meet, and strive to exceed, all applicable environmental laws and regulations.

Our Company seeks to reduce the impact of our activities through our long-standing commitment to safety, cleanliness and maintenance of our assets, and proper remediation.

HESS STATEMENT OF COMMITMENT TO PIPELINE PUBLIC AWARENESS

To ensure the safe, reliable, and environmentally sound operation of its pipeline assets:

Hess believes that public education combined with sound operating practices promotes public safety and protection of the environment.

Hess recognizes that public awareness and understanding of pipeline operations is vital to the continued safe operation of its pipelines. Therefore, it is our goal to raise the awareness of the affected public and key stakeholders.

Hess is dedicated to fully supporting and overseeing the administration of its Public Awareness Program by demonstrating support through Company standards, management participation and allocation of both personnel and financial resources.

EMERGENCY CONTACT:
(800) 406-1697

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
Natural Gas	1971	115
Natural Gas Liquids	1075	115

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie
Mountrail
Williams

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

MAGELLAN MIDSTREAM PARTNERS, L.P.

Magellan Pipeline Company, LP
Magellan Crude Oil Pipeline Company LP
Magellan Pipelines Holdings LP
Magellan Terminals Holdings LP
Magellan Operating Company, LLC

One Williams Center
Tulsa, OK 74172
(Headquarters) (800) 574-6671
(Local Toll Free) (800) 772-0480
Website: www.magellanlp.com

SYSTEM OVERVIEW

Name of system:
Magellan Midstream Partners, L.P.

Name of operator:
Magellan Midstream Partners, L.P.

Type of system: Transmission

List of products transported in system: Refined Petroleum Products (Diesel Fuel, Gasoline), and Jet Fuel.

OPERATOR OVERVIEW

Magellan Midstream Partners, L.P. is a publicly traded limited partnership principally engaged in the transportation, storage, and distribution of refined products and crude oil. Magellan operates a 9,800 mile refined products pipeline system with 54 connected terminals as well as 25 independent terminals not connected to our pipeline system, two marine terminals (one of which is owned through joint venture) and a 2,200 mile crude oil pipeline system.

COMMITMENT TO SAFETY, HEALTH & ENVIRONMENT

Magellan Midstream Partners, L.P is committed to the safe, reliable delivery of refined products, and crude oil. Our pipelines are designed, installed, tested, and operated and maintained according to strict standards employed by our company, the pipeline industry, and the federal government. Safety, efficiency, honesty and responsibility are at the core of Magellan's business.

FREQUENTLY ASKED QUESTIONS

1. How can an emergency responder or LEPC obtain maps of the pipeline?

Emergency responders and local planning/zoning authorities may obtain detailed maps of our system from field operations staff or contact us directly via email at: damageprevention@magellanlp.com. In addition, the National Pipeline Mapping System (NPMS) provides a list of pipeline operators in your community as well as the location of pipelines and other valuable information. It can be accessed through their website at: www.npms.phmsa.dot.gov. All information can be found under Magellan Pipeline Company.

Our pipeline markers can be typically identified by the black and red bands at the top.

EMERGENCY CONTACT:
(800) 720-2417

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Diesel Fuel	1202/1993	128
Gasoline	1971	115
Jet Fuel	1863	128

NORTH DAKOTA COUNTIES OF OPERATION:

Cass
Grand Forks
Traill

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

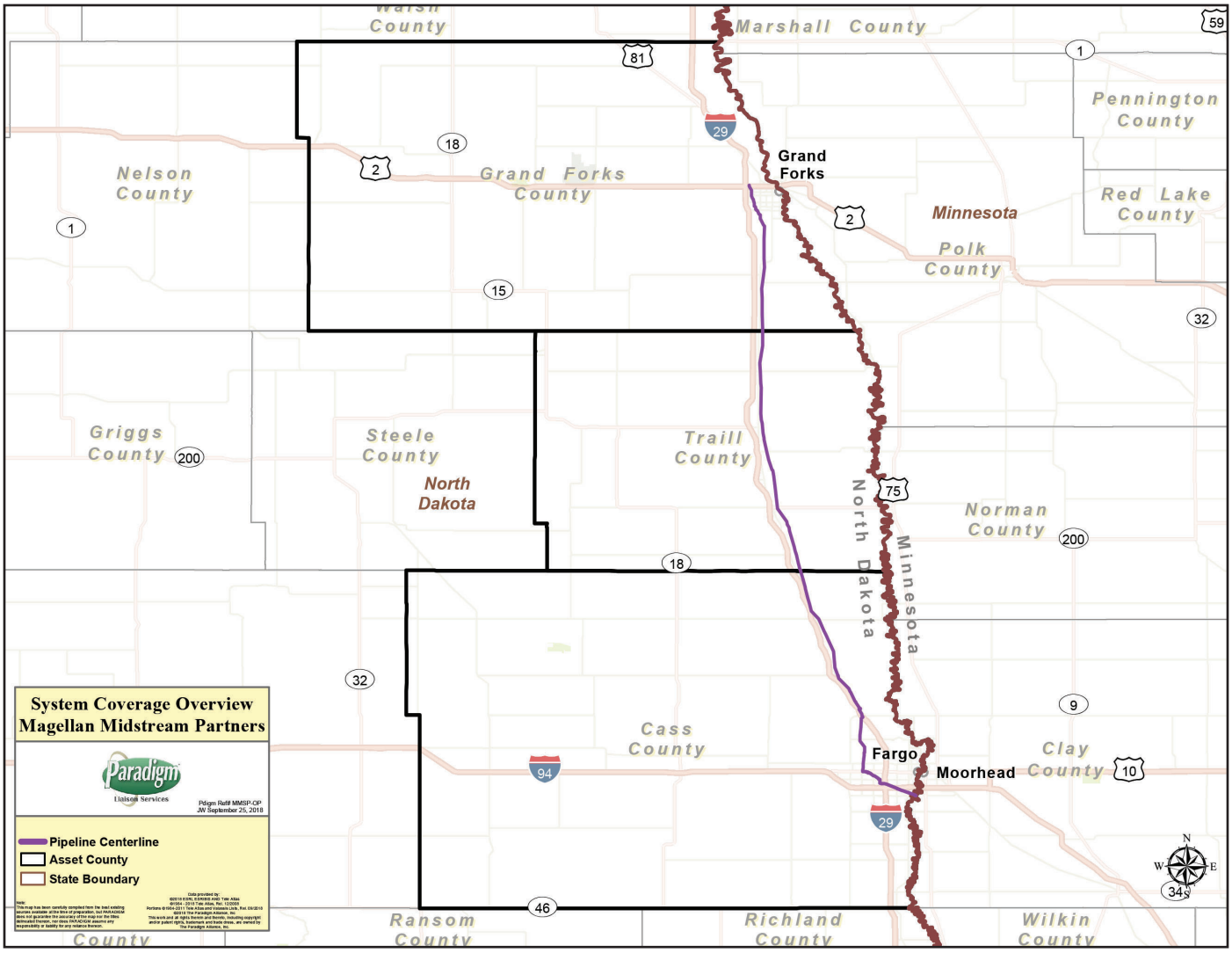
2. How can an emergency responder learn more about the company's official emergency plans?

Magellan has developed a Pipeline Safety and Emergency Response Guide as well as a facility response plan that contains written procedures for responding to an incident. It is designed to quickly evaluate and effectively manage an incident to limit its consequences. Magellan utilizes the incident command system. Field operations personnel have copies of emergency response plans. If interested in learning more about our facility response plan, please contact your local Magellan field representative or contact Magellan Corporate directly via email at: damageprevention@magellanlp.com.

3 How can responders learn more about pipeline responding training opportunities?

Visit www.pipelineemergencies.com.

Magellan Midstream Partners LP
One Williams Center
Tulsa, OK 74172
Phone: 918-574-7000
www.magellanlp.com


Marshall County
Pennington County
Red Lake County
Nelson County
Grand Forks County
Grand Forks
Minnesota
Polk County
Griggs County
Steele County
Traill County
North Dakota
Norman County
Cass County
Fargo
Moorhead
Clay County
Ransom County
Richland County
Wilkin County
System Coverage Overview
Magellan Midstream Partners
Paradigm
Liaison Services
Pdgm Ref# MMSP-OP
JW September 25, 2018
Pipeline Centerline
Asset County
State Boundary

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®

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

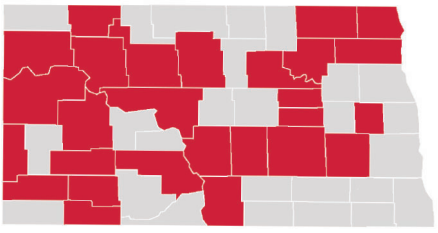
PIPELINE PURPOSE AND RELIABILITY

Montana-Dakota Utilities Co. (MDU) operates approximately 7,500 miles of natural gas pipeline. 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 natural gas 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, 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.

EMERGENCY CONTACT:
1-800-638-3278

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Adams	McHenry
Barnes	McKenzie
Benson	McLean
Billings	Morton
Bowman	Mountrail
Burke	Pembina
Burleigh	Ramsey
Cavalier	Richland
Dunn	Sargent
Eddy	Slope
Emmons	Stark
Foster	Stutsman
Golden Valley	Walsh
Hettinger	Ward
Kidder	Williams

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

pipelinequestionsmarkwest@marathonpetroleum.com

Andeavor Field Services LLC, a wholly owned subsidiary of MPLX, is committed to public safety protection of the environment and compliance with applicable rules and regulations. Public awareness and education is of primary importance to MPLX.

You can help keep our community and environment safe from a pipeline emergency by following the safety guidelines and information below.

EMERGENCY CONTACT:
1-800-725-1514

NORTH DAKOTA COUNTIES OF OPERATION:

Billings	McKenzie	Oliver
Burke	Mercer	Stark
Dunn	Morton	Williams
Golden Valley	Mountrail	

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

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

DIGGING NEAR A PIPELINE

The primary cause of pipeline leaks is damage from construction-related activities.

- Contact the One-Call Center before digging near a pipeline, at least 24 hours before planned work activity by contacting **North Dakota One-Call**.
- Do not disturb the ground until all pipelines are marked.
- Abide by all location markers and instructions provided by the pipeline/utility representatives.
- Do not use power equipment around the pipelines within the “Tolerance Zone” which is 24” + 1/2 the diameter of the pipeline being excavated.
- If a pipeline is or becomes damaged, immediately leave the area.
- When you reach a safe area, call 911 and the MPLX emergency number **(800) 725-1514**.

IDENTIFYING AND PROTECTING PIPELINES

The pipeline right of way must be kept clear of any buildings, structures, trees, shrubs, excess vegetation, fence posts, electric / telephone poles or other “encroachments” which might damage and restrict access to the pipeline. The right of way protects the public and the pipeline. If you notice any possible encroachments on MarkWest’s, pipeline right of way or if you need to install a structure near the right of way, please call the state One-Call Center, **North Dakota One-Call**.

Pipeline markers are located along our pipeline right of way to help identify the approximate location of our pipeline. MPLX pipeline markers list the commodity transported and our 24-hour telephone number where a person monitoring our pipeline can be reached at any time **(800-725-1514)**

If you know of a damaged or missing pipeline marker, or have seen someone damaging or vandalizing our markers, please report it to MPLX. It’s against the law for any person to willfully and knowingly deface, damage, remove, or destroy any pipeline sign or right of way marker.

HOW TO RECOGNIZE A PIPELINE EMERGENCY

The following items may indicate a Natural Gas or Natural Gas Liquid leak or failure:

Gas	Liquid
• Gas escaping from the pipeline	• Liquid escaping from the pipeline
• Hissing or spewing sound	• Spewing sound
• Dead vegetation	• Dead vegetation
• Fire at or near the pipeline	• Erosion
• Hole in the ground	• Petroleum odor
• Rotten egg odor	• Low lying vapor –similar to fog
• Frozen ground	• Frozen ground

REPORTING OF EMERGENCIES:

- Call **911**
- Contact MPLX Emergency Number **(800) 725-1514**

WHAT TO DO IN THE EVENT OF A NATURAL GAS EMERGENCY

Excavators

- Do not drive into the area where the leak or vapor cloud is located
- Do not make contact with escaping liquids or vapors
- Avoid possible ignition sources (e.g., turn off and abandon all equipment, vehicles, and or generators being used in the affected area)
- Do not light a match, start an engine or automobile, use a telephone, switch on/off an electric light, or ring doorbells
- Immediately leave the area, on foot in an upwind direction
- From a safe distance call 911 and the MPLX emergency number **(800) 725-1514**.
- Wait, if in a safe area, for MPLX personnel to arrive on site and do not try to operate any pipeline valves
- Warn others to stay away from the area

PUBLIC OFFICIALS & EMERGENCY RESPONDERS

- Evacuate people (homes, businesses, schools...etc.) to an upwind area
- Secure area around the leak
- If the pipeline leak is not burning, take steps to prevent ignition such as prohibiting smoking, and rerouting traffic away from the leak.
- If the pipeline is burning, take steps to prevent secondary fires, but do not attempt to extinguish a pipeline fire unless asked to do so by MPLX
- Do not try to operate any pipeline valves
- Call the MPLX emergency number **(800) 725-1514** as soon as possible
- Administer medical treatment and request additional emergency response assistance as necessary

Doron Fosburgh
6509 109th Ave. NW
Tioga, ND 58852
Phone: 701-648-9662
Website: www.xtoenergy.com

XTO ENERGY

XTO Energy, is a leading natural gas and oil producer in the U.S. with expertise in developing tight gas, shale gas, coal bed methane and unconventional resources. XTO has operations in all major U.S. producing regions, with thousands of miles of natural gas pipelines. These pipelines are vital to the country's energy infrastructure and are a safe and efficient way to transport natural gas. XTO takes great pride in its long history of developing natural gas resources and is dedicated to educating communities on pipeline safety. Our own experience and compliance with municipal, state and federal regulations demonstrates that our operations can be conducted safely and in an environmentally responsible manner. Our success is linked to the success of the communities in which we do business - our employees and their families don't just work here, they live here as well. We are committed to being a good neighbor.

MARK THE SPOT

Pipeline markers are used to show the location of underground pipelines. Markers are located at road crossings, railroad crossings, and along the pipeline rights-of-way. Please be familiar with these markers, and what they indicate:

- The material transported in the pipeline.
- The name of the pipeline operator.
- The telephone number where the operator can be reached in an emergency.

CALL BEFORE YOU DIG

If you are a homeowner, farmer, excavator, or developer we need your help in preventing pipeline emergencies. If you are considering projects like building a pool, building a fence, widening a driveway, or planting trees, call **811** before you dig.

DON'T TAKE CHANCES

1. Call 811 at least two business days before excavation is scheduled to begin.
2. Do not begin work until a trained technician has come to mark the location of any pipelines in your area. This will be at no cost to you.
3. Respect to the pipeline markers.

TRUST YOUR SENSES

If you see, hear or smell any of the below, it may indicate a pipeline leak. It is important to always be aware.

Site: A pool of liquid on the ground near a pipeline, a rainbow sheen on water, a dense white cloud or fog over a pipeline, or discolored vegetation. Unnatural frost or ice in the pipeline right-of-way or on the tank battery or well location equipment.

Sound: An unusual noise coming from the pipeline, like a hissing or roaring sound.

Sound: An unusual chemical odor such as gas or oil. A strange odor in the area similar to the smell of rotten eggs.

WHAT TO DO IF A LEAK OCCURS

- Try to stay upwind. Do not travel downwind.
- Do not touch, breathe, or make contact with leaking liquids.
- Do not light a match, start an engine, use a cell phone, switch on/off light switches or do anything that may create a spark. Do not drive into a leak or vapor cloud area.
- Call 911 or your local emergency response number from a safe location. Then call XTO Energy and give your name, phone number, description of the leak and its location.
- Warn others to stay away.

EMERGENCY CONTACT:
1-701-664-3139

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Williams

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

DIG DEEPER

For more information about pipelines, please visit:

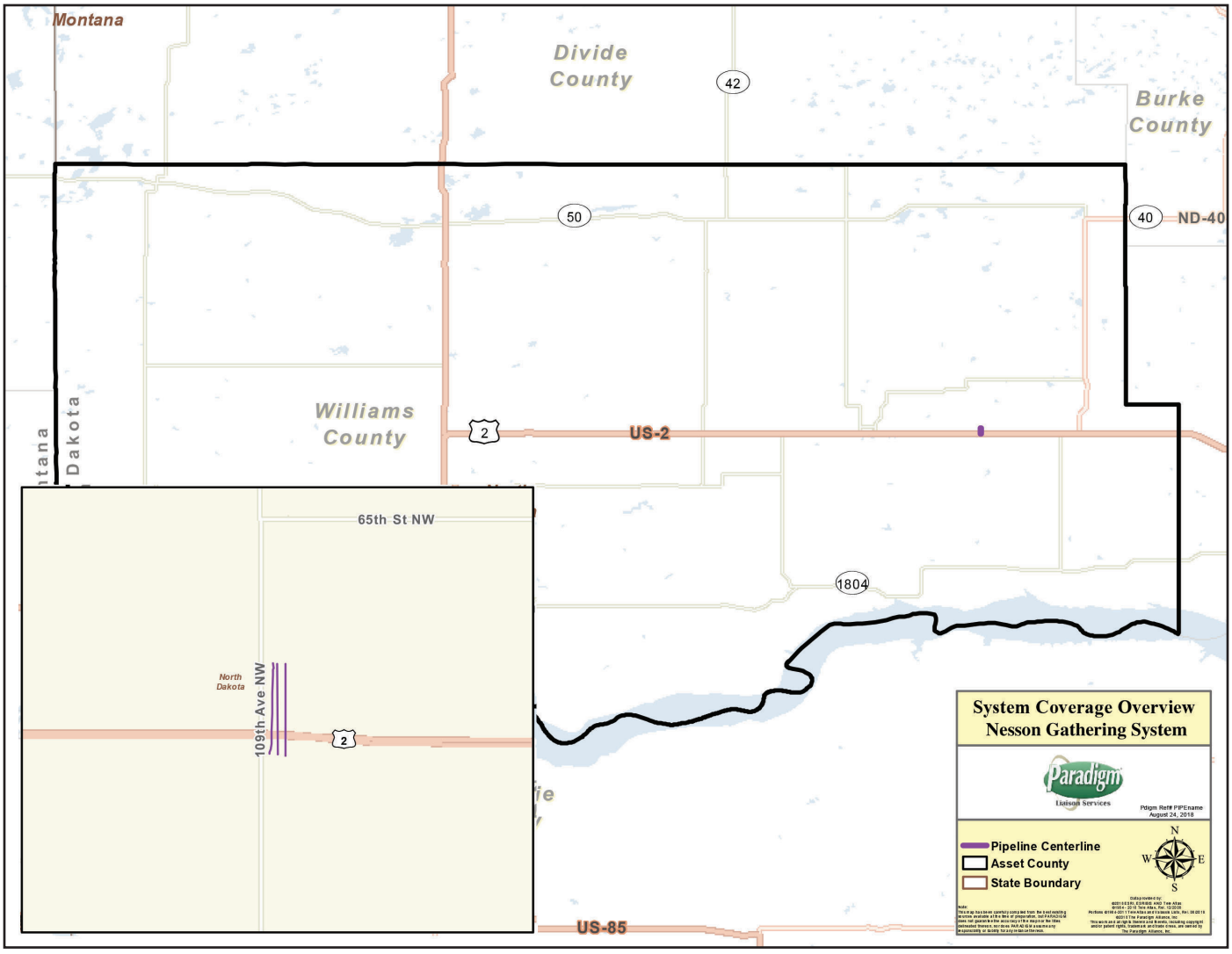
XTO Energy:
www.xtoenergy.com

US Department of Transportation
http://ops.dot.gov

National Pipeline Mapping System
www.npms.phmsa.dot.gov

www.call811.com
www.pipelinesafetyinformation.com

811
Know what's **below.**
Call before you dig.


Montana
Divide County
42
Burke County
50
40
ND-40
Williams County
2
US-2
Dakota
65th St NW
1804
North Dakota
109th Ave NW
2
US-85
System Coverage Overview
Nesson Gathering System
Paradigm
Liaison Services
Pdigm Ref# PIPEname
August 24, 2018
Pipeline Centerline
Asset County
State Boundary
N
W
E
S

NuStar Pipeline Operating Partnership L.P.

NuStar Energy- Central East Region
7340 West 21st Street North – Suite 200
Wichita, Kansas 67205
Phone: 316-773-9000
Website: www.nustarenergy.com

ABOUT NUSTAR PIPELINE OPERATING PARTNERSHIP L.P.

NuStar Energy L.P., a publicly traded master limited partnership based in San Antonio, is one of the largest independent liquids terminal and pipeline operators in the nation. NuStar currently has approximately 10,000 miles of pipeline and 75 terminal and storage facilities that store and distribute crude oil, refined products and specialty liquids. The partnership's combined system has approximately 75 million barrels of storage capacity, and NuStar has operations in the United States, Canada and Mexico. For more information, visit NuStar Energy's Web site at www.nustarenergy.com.

The Central East Region is operated by NuStar Energy L.P.'s subsidiary, NuStar Pipeline Operating Partnership L.P. The Central East Region's business consists primarily of the operation of a pipeline system that transports refined petroleum products, including gasoline, diesel, and propane. The system is operated as a common carrier in Kansas, Nebraska, Iowa, South Dakota, North Dakota and Minnesota. The system includes 2,530 miles of pipelines that transport an average of 203,000 barrels per day and 21 distribution terminals with a storage capacity of 4.8 million barrels, and two storage facilities at McPherson, KS and El Dorado, KS with a storage capacity of approximately 1.1 million barrels. Most of the petroleum products transported by the system are received from refineries in southeast Kansas, northeast Oklahoma, and central North Dakota. The Central East Region's business also includes an anhydrous ammonia pipeline system. The ammonia system is operated as a common carrier in Louisiana, Arkansas, Missouri, Illinois, Indiana, Iowa, and Nebraska. The ammonia system includes approximately 2,200 miles of pipelines that transport approximately 1.26 million tons per year (11.7 million barrels). The ammonia system is capable of receiving ammonia from three customer owned and operated marine terminals in Louisiana, and the ammonia system is capable of delivering ammonia to 22 customer owned and operated distribution terminals in the Midwest and to a number of customer owned and operated industrial locations. Anhydrous ammonia is primarily used as agricultural fertilizer, and anhydrous ammonia is also used as a feedstock in a number of industrial applications.

WHAT DOES NUSTAR PIPELINE OPERATING PARTNERSHIP L.P. DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train 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.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

NuStar Pipeline Operating Partnership LP. invests 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. NuStar Pipeline Operating Partnership L.P. also utilizes 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 shutoff valves are sometimes utilized to isolate a leak.

Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). Specific information about NuStar Pipeline Operating Partnership L.P.'s program may be found on our Web site, or by contacting us directly.

EMERGENCY CONTACT:
1-800-759-0033

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Gasoline	1203	128
Diesel Fuel	1202/1993	128
Jet Fuel	1223	128

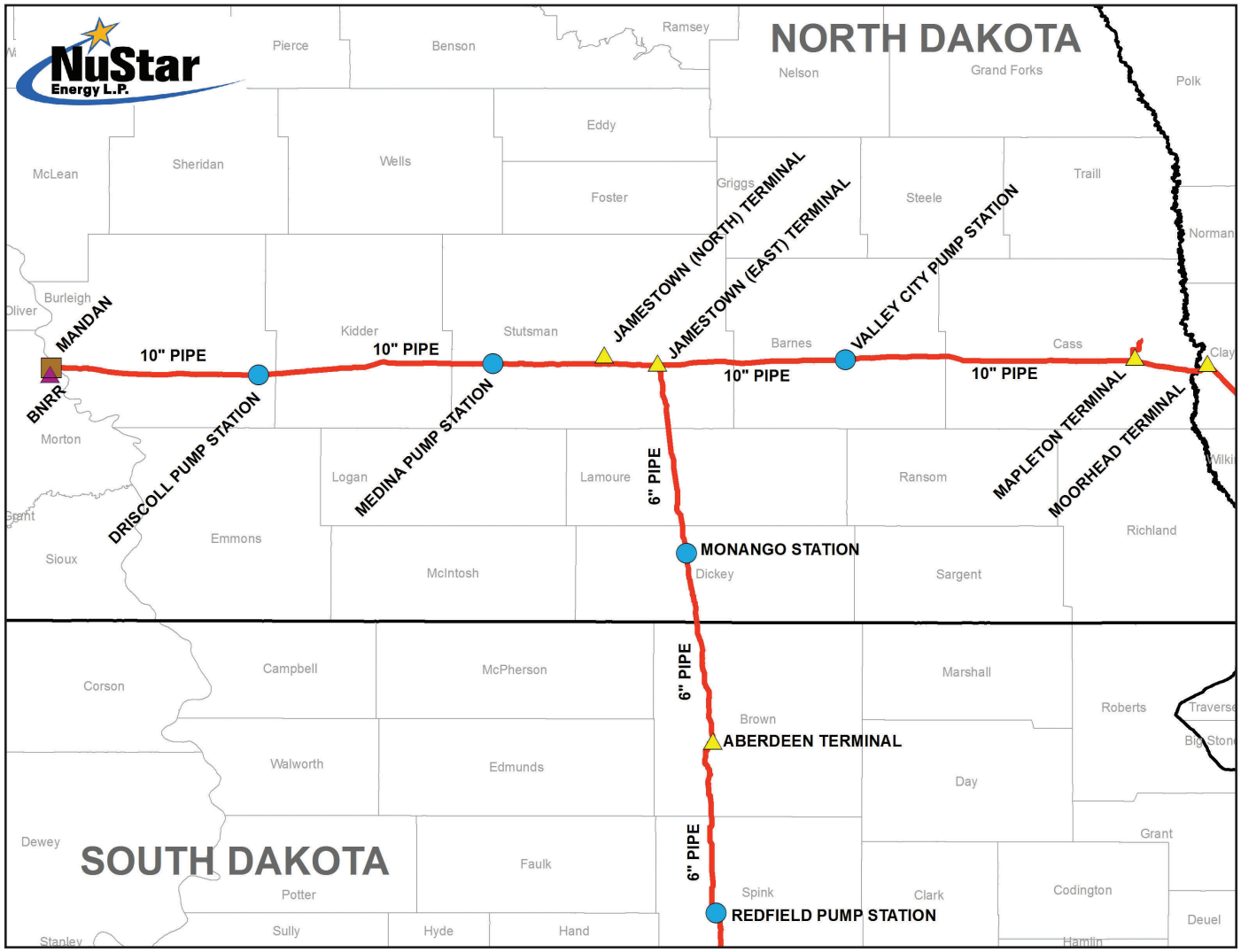
NORTH DAKOTA COUNTIES OF OPERATION:

Barnes	Kidder
Burleigh	Lamoure
Cass	Morton
Dickey	Stutsman

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

HOW TO GET ADDITIONAL INFORMATION

For an overview of NuStar Pipeline Operating Partnership L.P.'s IMP or Emergency Response Plan, go to www.nustarenergy.com or contact us at 1-800-759-0033.


NuStar Energy L.P.
NORTH DAKOTA
SOUTH DAKOTA
MANDAN
BNRR
10" PIPE
DRISCOLL PUMP STATION
10" PIPE
MEDINA PUMP STATION
10" PIPE
JAMESTOWN (NORTH) TERMINAL
JAMESTOWN (EAST) TERMINAL
10" PIPE
VALLEY CITY PUMP STATION
10" PIPE
MAPLETON TERMINAL
MOORHEAD TERMINAL
6" PIPE
MONANGO STATION
6" PIPE
ABERDEEN TERMINAL
6" PIPE
REDFIELD PUMP STATION
Pierce
Benson
Ramsey
Nelson
Grand Forks
Polk
Eddy
McLean
Sheridan
Wells
Foster
Griggs
Steele
Traill
Norman
Burleigh
Oliver
Kidder
Stutsman
Barnes
Cass
Clay
Morton
Logan
Lamoure
Ransom
Richland
Wilkin
Grant
Sioux
Emmons
McIntosh
Dickey
Sargent
Corson
Campbell
McPherson
Marshall
Roberts
Brown
Walworth
Edmunds
Day
Dewey
Potter
Faulk
Spink
Clark
Codington
Grant
Deuel
Sully
Hyde
Hand
Hamlin
Stanley

Non-Emergency Number: 855-209-8370
Website: www.oasispetroleum.com

ABOUT OASIS

Oasis is the premier operator in the Williston Basin, possessing both coveted assets and creative people that drive the success of the Company. We are on the forefront of technology deployment, operational effi ciencies, and infrastructure development. While we have a great track record of rapidly growing production and reserves, we do not subscribe to the idea of growth at any cost. We are committed to operating in a safe manner, as well as to the health and safety of those who partner with us.

WHAT DOES OASIS DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train 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.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Oasis invests 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. Oasis also utilizes 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 liq-uid pipeline operators have developed supplemental hazard and assessment programs known as Integrity Manage-ment Programs (IMPs). Specific infor-mation about Oasis' program may be found on our Web site, or by contacting us directly.

EMERGENCY CONTACT:
1-866-584-8016

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Gasoline	1203	128
Diesel Fuel	1202/1993	128
Jet Fuel	1223	128
Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie Williams

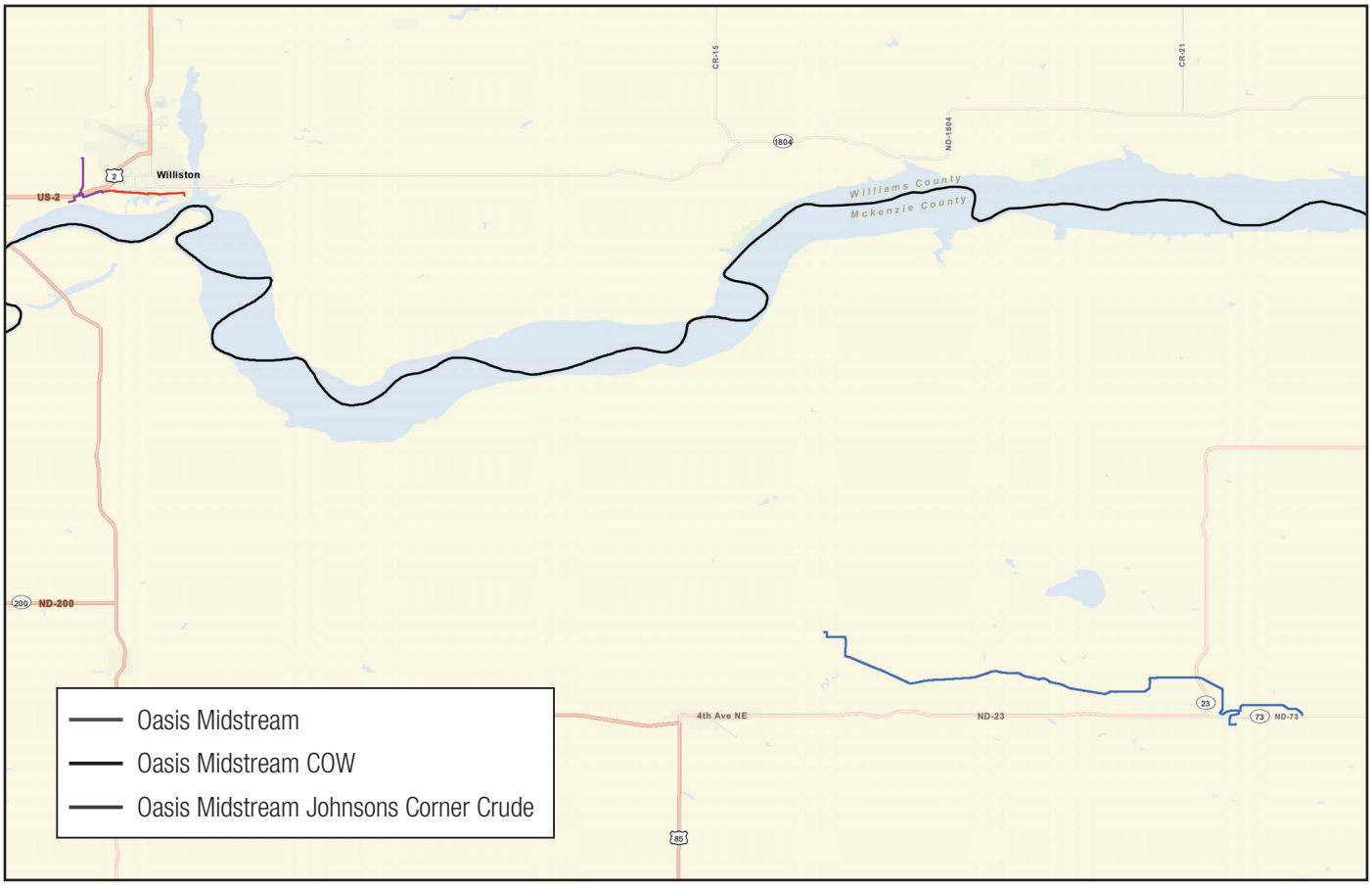
Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

HOW TO GET ADDITIONAL INFORMATION

For an overview of Oasis' Integrity Management Program, or additional information, contact us directly.

PRODUCTS TRANSPORTED

PRODUCT	LEAK TYPE	VAPORS
HAZARDOUS LIQUIDS [SUCH AS: CRUDE OIL, 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.	
NATURAL GAS	Gas	Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.
HEALTH HAZARDS	Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.	



Pipe size: 10 inch and 10.75 inch

ONEOK NGL Pipeline LLC

ONEOK
NGL PIPELINE
A SUBSIDIARY OF ONEOK

Local Office
3335 E. Colorado Blvd.
Spearfish, SD 57783-9556

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.

ONEOK NGL Pipeline, L.L.C. operates approximately 200 miles of pipeline across the state of North Dakota that gathers, and transport products known as natural gas liquids. These products, at any given time, can be a varied mixture of NGL (Natural Gas Liquids), LPG (Liquid Petroleum Gas) or HVL (Highly Volatile Liquids). They are a mixture consisting of ethane, propane, butane, natural gasoline, ethane-propane mixture and propylene. Pipeline Diameter ranges from 4" - 16".

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..

EMERGENCY CONTACT:
1-855-348-7258

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas Llquids	1972	115

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie Williams

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 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.

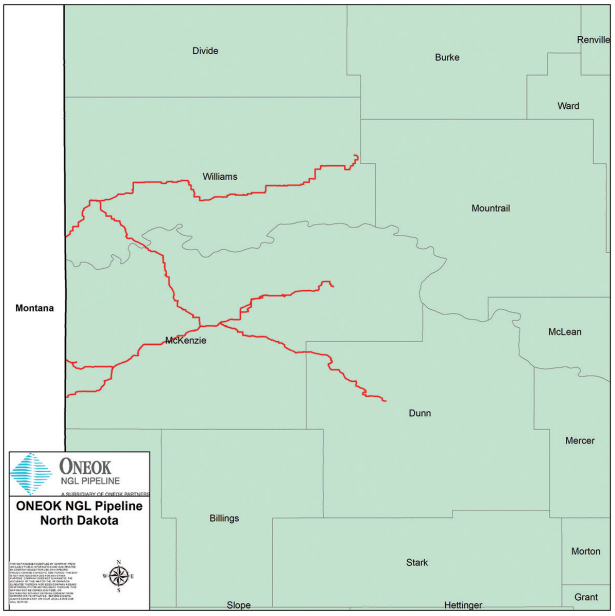
Not all of ONEOK pipelines are included in the NPMS mapping system. Production, distribution and gathering pipelines are exempt from reporting pipelines into the National Pipeline Mapping System.

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

ONEOK
ROCKIES MIDSTREAM
A SUBSIDIARY OF ONEOK

Local Office
2700 Lincoln Ave. 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, 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.

ONEOK Rockies Midstream, LLC is a subsidiary of ONEOK, Inc. operating in eight North Dakota counties. The pipeline diameters range from 2" to 20" and transport natural gas.

COMMITMENT TO SAFETY, HEALTH & THE ENVIRONMENT

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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.

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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

EMERGENCY CONTACT:
1-800-778-7834

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Billings	McKenzie
Divide	Mountrail
Dunn	Stark
Golden Valley	Williams

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

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.

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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

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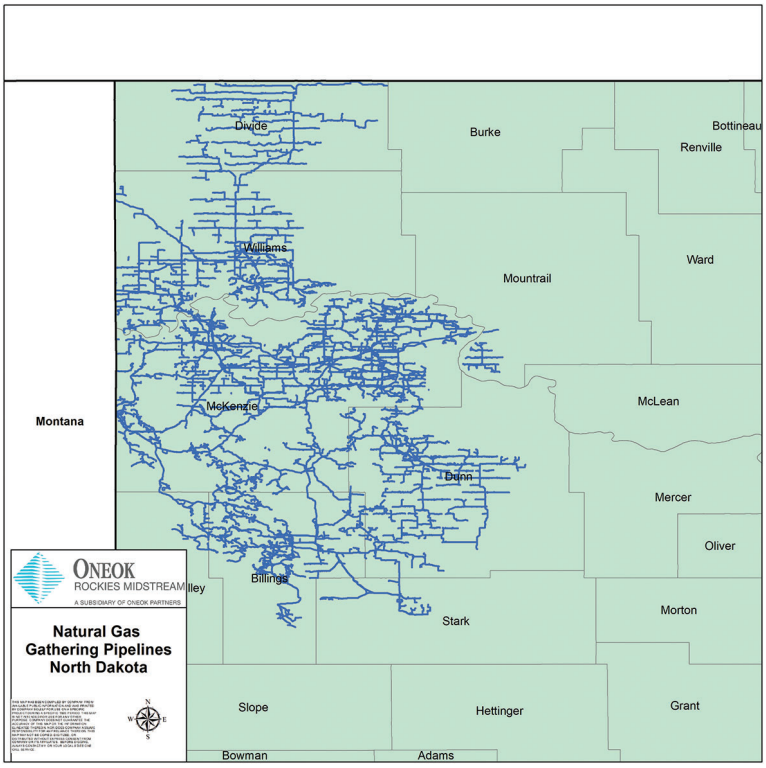


Be aware that pipelines frequently share rights of way with other utilities (electric power lines, additional pipelines) or modes of transportation (roadways, railroads, etc.). Incidents such as lightning strikes, fires, train derailments, etc. on or near the right of way can damage an underground pipeline. 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

Website: www.paradigmmidstream.com

PARADIGM
MIDSTREAM

PARADIGM MIDSTREAM SERVICES - ND, LLC

Paradigm Midstream Services is a midstream company focused on providing flexible custom gathering, storage, and transportation solutions for Crude Oil in the Bakken Shale of North Dakota. Paradigm's Bakken efforts are focused on creating integrated crude gathering, storage, transportation and rail solutions that provide producers with economic outbound optionality and premium multimarket access.

WHAT DOES PARADIGM MIDSTREAM SERVICES - ND, LLC DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak the pipeline company will immediately dispatch trained personnel to assist emergency responders.

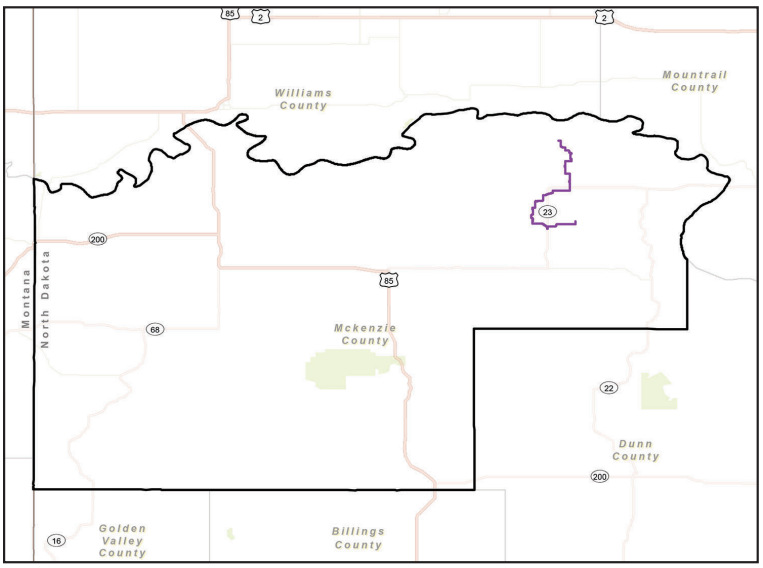
Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Paradigm Midstream Services – ND, LLC invests 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. Paradigm Midstream – ND, LLC also utilizes 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.

Pipelines are a non-intrusive and efficient method for transporting materials with minimal to no impact on our roads, waterways and our community, as most are buried underground. It is important to know where pipelines are located and what to do if you detect a leak. Pipeline operators post markers to indicate the general location of buried pipe as well as who to contact with questions or in the event of an emergency.



6" and 8" pipeline

EMERGENCY CONTACT:
1-800-514-3624

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie

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

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 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.

HOW TO GET ADDITIONAL INFORMATION

For more information contact us directly or visit our website at www.paradigmmidstream.com.

6201 81st Avenue NW
Stanley, ND 58784-0639
Non-Emergency Phone(s): (866) 994-4775
Website: www.pecanpipeline.com
Email: publicawareness@eogresources.com

ABOUT PECAN PIPELINE COMPANY

Pecan Pipeline Company, is a wholly owned subsidiary of EOG Resources, Inc. and operates a natural gas gathering system in Mountrail County, North Dakota.

The purpose or goal of Pecan Pipeline Company's public awareness and damage prevention measures are to minimize third party damage to our pipelines, and inform affected public of locations of these pipelines. Pipeline markers, public education mailers, participation in excavation safety system, and sponsorship of excavators/emergency responder training are measures used to protect these pipelines.

EMERGENCY CONTACT:
1-866-899-2626

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Mountrail

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

PRODUCTS TRANSPORTED AND COUNTIES INVOLVED

Product	Description	Health and Fire Hazards	Counties Involved
Natural Gas	**Leak:** Gas **Vapors:** Lighter than Air Very flammable and a white vapor cloud may be visible near the site of a leak	**Health:** Extremely high concentrations may cause irritation or asphyxiation. Possible presence of H2S, a toxic gas. **Fire:** Extremely flammable and easily ignited by heat, sparks or flames.	Mountrail

PIPELINE RIGHT-OF-WAY MARKER

Pembina Cochin LLC
Suite 4000, 585 8th Ave SW.
Calgary, AB T2P 1G1
Non-emergency phone: 1-888-428-3222
Website: www.pembina.com

OPERATOR OVERVIEW

Pembina Cochin LLC is the operator of the Cochin Pipeline System. Pembina Cochin LLC is a subsidiary of Pembina U.S. Corporation, which is owned by Pembina Pipeline Corporation. Pembina is a leading North American transportation and midstream service provider. For 65 years, we have been safely and reliably connecting oil, natural gas, and natural gas liquids production to markets that need it. Pembina owns an integrated system of pipelines that transport various hydrocarbon liquids and natural gas products. We also own gas gathering and processing facilities, and an oil and natural gas liquids infrastructure and logistics business.

INCIDENT ACTION PLAN (Emergency Response Plan)

- Protect people first, property second
- Isolate area and deny entry
- Determine if atmosphere is safe
- Establish hazard control zones
- Evacuate if necessary
- Notify Pembina
- Control Ignition Sources
- If ignited, allow to self-extinguish
- Contain and control secondary fires.

Pembina practices the National Incident Management System (NIMS) and will integrate into the Incident Command System (ICS) in an emergency. In the unlikely event that a leak should occur, Pembina will dispatch our pipeline maintenance crews (located at strategic points along the pipeline) to the site. Once we have ensured the safety of our neighbors, employees, and contractors and the immediate dangers have been controlled, the pipeline is repaired and any damage to the surrounding area is restored.

Pipeline Unique Characteristics

The Cochin Pipeline System is a 1,561-mile, 12-inch pipeline. In 2019, Pembina acquired ownership of the pipeline from Kinder Morgan. The pipeline transports condensate from Fair Oaks, IN to Fort Saskatchewan, Alberta Canada.

- 1,000 psig Operating pressure
- Automated pipeline block valves.
- Pump stations are located approximately every 60 miles.

PIPELINE MONITORING

Pembina monitors the Cochin Pipeline on a 24-hour basis from the computer assisted control system.

PIPELINE MARKERS

To ensure everyone knows the location of Pembina's pipelines, we place pipeline markers in high traffic areas such as road and rail way crossings. We place them near but not necessarily on top of the pipeline. It is important to remember that markers may not tell you the exact location, route, depth or number of pipelines.

ALWAYS CALL BEFORE YOU DIG

Before starting any work near a pipeline, a locate request to your local One-Call Centre is required. The One-Call Center will notify owners of the buried infrastructure in the area who will send out a company representative to locate and mark the facilities using paint, flags or other marks. It is important you don't start work until the pipelines are marked.

EMERGENCY CONTACT (24/7):
(800) 360-4706

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gasoline (Petroleum Distillate)	1268	128

NORTH DAKOTA COUNTIES OF OPERATION:

Barnes	Pierce
Benson	Ransom
Bottineau	Renville
Cass	Richland
Eddy	Stutsman
Foster	Wells
McHenry	

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

811
Know what's **below.**
Call before you dig.

NATIONAL PIPELINE MAPPING SYSTEM

The federal government provides maps that show the approximate location of transmission pipelines in your community through the National Pipeline Mapping System at www.npms.phmsa.dot.gov. Safety officials can access additional information and download electronic files to import into emergency preparedness GIS mapping systems. As with pipeline markers, the map will show the approximate location of the pipeline only. A one call is required.

Website: www.petrohunt.com

LITTLE KNIFE GAS PLANT
Gary Kohler
813 123rd Avenue SW
Killdeer, ND 58640
Phone: 701-863-6500

CORPORATE OFFICE
Rosewood Court
2101 Cedar Springs Road, Suite 600
Dallas, TX 75201

PETRO HUNT, L.L.C.

Petro Hunt, L.L.C. (PHLLC) operates approximately 400 miles of natural gas gathering pipelines, some of which contain hydrogen sulfide, a poisonous and deadly gas. PHLLC also operates the Little Knife Gas Plant in Billings County. Please call the number listed in this document, if an emergency occurs concerning a PHLLC operated pipeline. Please visit our website at www.petrohunt.com for additional information regarding PHLLC.

SIGNS OF PIPELINE LEAK

- Pool of liquid on the ground near the pipeline
- Discolored vegetation
- Unnatural frost or ice on the ground near the pipeline
- Possible hissing or roaring sound near the pipeline
- Unusual odor, hydrocarbon odor or the smell of rotten eggs

RESPONSE TO A PIPELINE LEAK

- Stay upwind of the leak
- Maintain a safe distance from the leak
- Contact Emergency Personnel (dial 911)
- Contact Petro Hunt at the numbers listed on the Pipeline Marker
- Do not drive near the leak, keep area free of ignition sources
- Keep others from entering the area.

EMERGENCY CONTACT:
1-701-863-6500

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

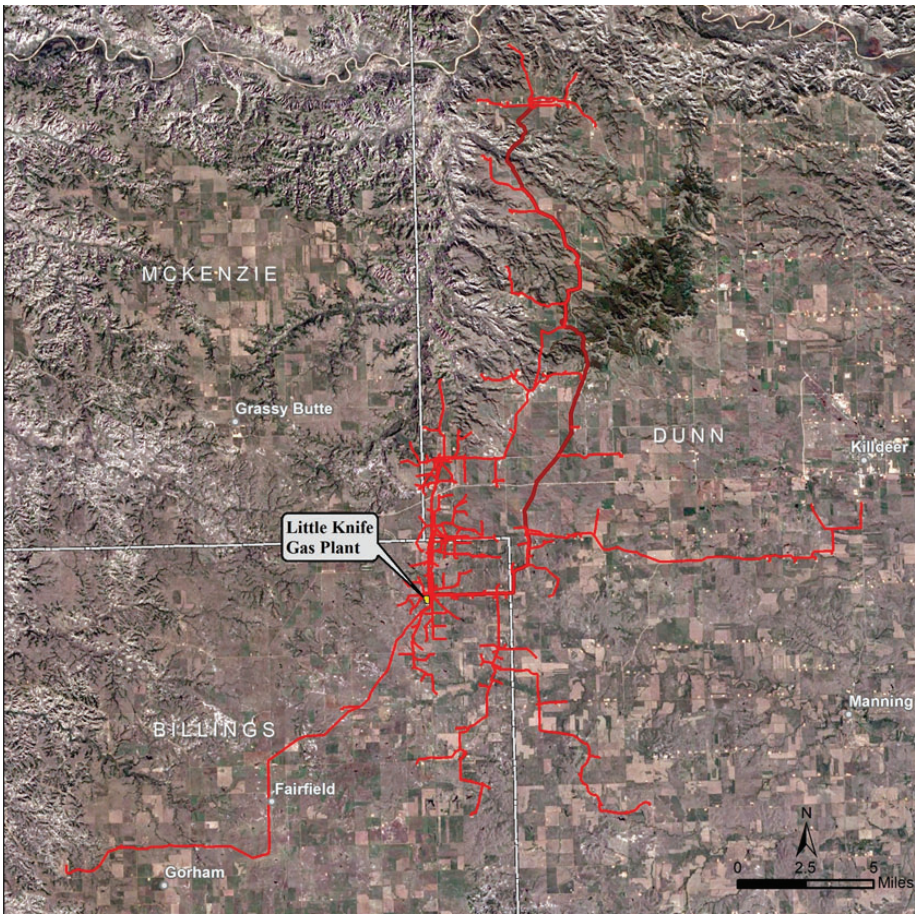
NORTH DAKOTA COUNTIES OF OPERATION:

Billings Dunn

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

PRODUCT TRANSPORTED

Raw Natural Gas containing Hydrogen Sulfide.



Plains All American Pipeline, L.P.

Local Office:
Plains All American Pipeline, L.P.
704 3rd St. NE
PO Box 708
Belfield, ND 58622

Headquarters:
Plains All American Pipeline, L.P.
333 Clay Street, Suite 1600
Houston, TX 77002
Website: www.paalp.com

Plains All American Pipeline, L.P. operates a network of pipeline systems in Colorado, Montana, North Dakota and Wyoming. Except for several small production locations, the pipeline systems are operated remotely, via satellite communications in Midland, TX. The control center has the ability to shut down pumping equipment as needed to prevent further damage by a possible leak or other emergency.

- All facilities are identified with signs stating the facility name.
- All pipeline locations are identified with signs at conspicuous locations along the right of way.
- Except for isolated instances, all pipelines are carbon steel and buried underground.
- Crude oil or refined petroleum products are present in the pipelines at any time.
- Pipeline pressures vary from 100 PSI to 1440 PSI.
- Crude oil and refined petroleum products are flammable and contains various flammable gas vapors.
- Crude oil and refined petroleum products are known to contain benzene at various levels. Benzene is a known carcinogenic.

COMMITMENT TO SAFETY, HEALTH, & ENVIRONMENT

The following procedures are recommended for any concern to the public or environment is suspected due to a possible pipeline or pipeline facility emergency involving, or possibly involving Plains All American Pipeline, L.P. (PAALP). Detection of a possible leak may be visible oil, or refined petroleum product on the ground or in water or as little as stained ground or odor.

- Notify Plains All American Pipeline, L.P. control center immediately by calling 1-1-800-708-5071 (manned reception every day, 24 hours/day) Explain your findings Give the best location description possible
- Call the local emergency personnel if there is a danger to the public – 911
- Local PAAP office hours – 7:00 am to 4:00 pm, Monday through Friday.

EMERGENCY CONTACT:
1-800-708-5071

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

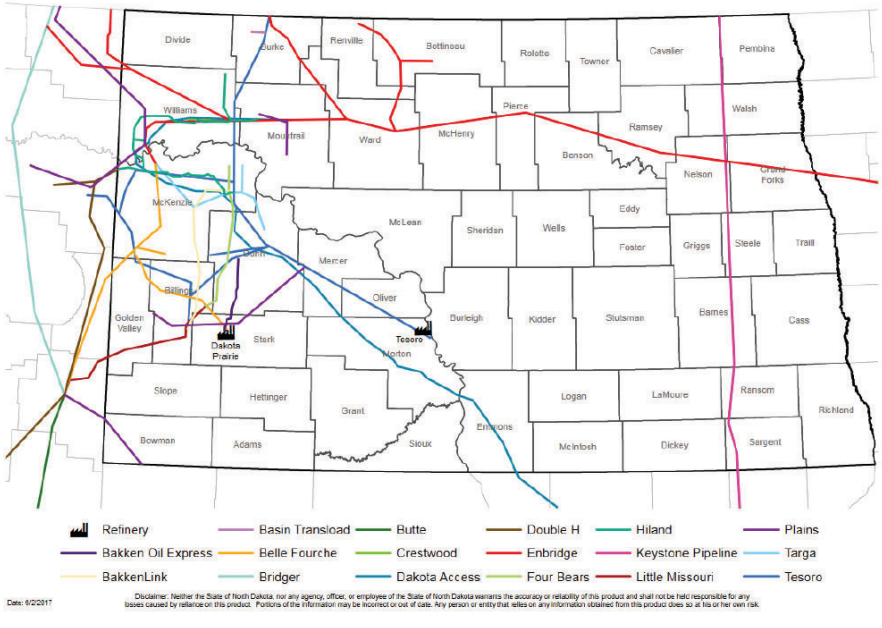
NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie Williams
Mountrail

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

- Extinguish all sources of ignition near the leak site – cigarettes, car engines, etc., and keep away from leaked oil.
- Do not attempt to close valves or operate any facility. Only Plains All American Pipeline personnel should do so to prevent possible other emergency situations.
- Emergency responders should attempt to contain the leak from further damage.
- The perimeter of the leak site should be guarded at a safe distance to prevent further danger to the public and access by unauthorized personnel.
- Any exposed pipeline due to erosion, accidental “dig in”, etc. should be reported to Plains All American Pipeline immediately.

North Dakota Crude Oil Pipelines



Website: www.savageservices.com

SAVAGE®

SAVAGE BAKKEN CONNECTOR OIL PIPELINE

Savage Bakken Connector, Inc. operates approximately 2 miles of 10-inch interstate crude oil pipeline facilities in Williams County, North Dakota. The pipeline connects Savage Services Corporation's Bakken Petroleum Services Hub in Trenton, North Dakota to the nearby Dakota Access Pipeline.

HOW TO KNOW WHERE PIPELINES ARE LOCATED

Underground utilities are identified by above ground marker posts. These posts display at least three vital pieces of information:

- The name of the pipeline operator
- An emergency telephone number
- The material transported in the pipeline

For emergencies, questions, or more information about our pipeline safety and management program, please call the Savage Control Room at: **701-774-9316**.

For non-emergency situations, we can also be contacted by email at: TrentonControlRoom@savageservices.com.

DAMAGE PREVENTION

Preventing damage to buried pipelines and utilities is required by law. Several working days before you plan to dig, you must contact your North Dakota one call center (call **811**) so that before you move earth by any means you'll "know what's below." The most important safety step is to first **NOTIFY 811**. It's the law.

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

Savage is committed to ensuring the safety of our facilities and the communities where they are located. This begins during construction, following strict regulations determined by the DOT's Pipeline & Hazardous Materials Safety Administration (PHMSA). Pipelines are buried for safety reasons to avoid accidental puncturing and have a protective coating to avoid corrosion. Constant monitoring of the pipeline is also built into our regular operating procedures.

DETECTING AN UNINTENDED RELEASE: SIGHT, SOUND, SMELL

Know how to detect a pipeline release: Depend upon your eyes, ears, and nose to discover unusual patterns along the pipeline right-of-way. You may see a flow or pooling of oil on land or water (usually an amber to black color), a rainbow sheen on water, liquids bubbling from the ground, dirt or water being blown in the air, dead or discolored vegetation where it is usually green, a vapor cloud or mist, flames coming from the ground, or stained or melted snow/ice around a pipeline during winter. You may hear a hissing or spraying sound. You may smell a gaseous or other unusual/unpleasant odor (inhaling chemical fumes can be dangerous).

EMERGENCY CONTACT:
1-701-774-9316

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

Williams

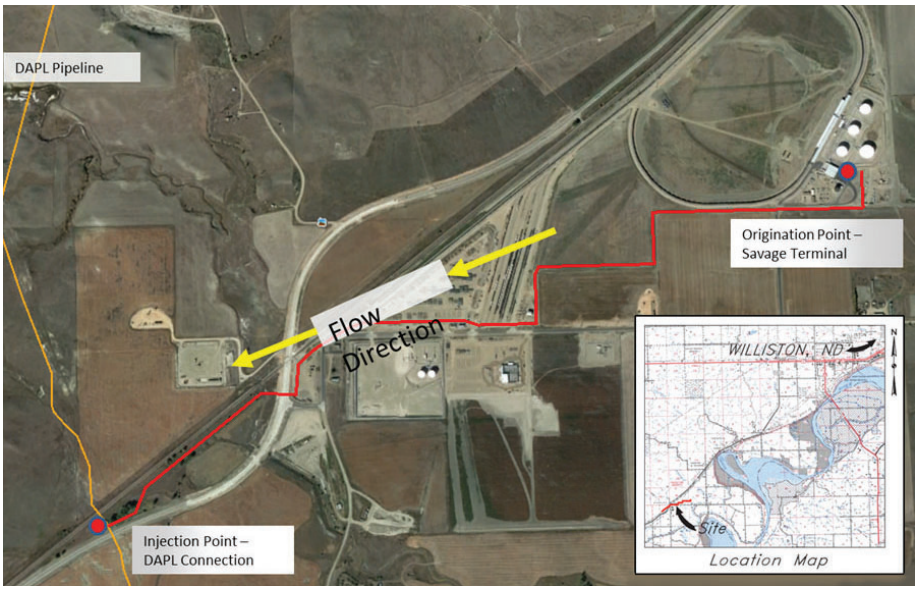
Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

IF YOU SUSPECT A PIPELINE LEAK

Immediately leave the area in an upwind direction, then call 911 and the pipeline operator. Warn others to stay away.

NATIONAL PIPELINE MAPPING SYSTEM

You also may learn the general location of pipelines through the National Pipeline Mapping System (NPMS). It provides public information about hazardous liquid and gas transmission pipelines under the jurisdiction of U.S. DOT PHMSA. https://www.npms.phmsa.dot.gov



Website: www.summitmidstream.com

SUMMIT MIDSTREAM PARTNERS, LP

ABOUT SUMMIT MIDSTREAM PARTNERS, LP

Headquartered in Houston, TX, Summit currently owns and operates midstream energy infrastructure assets consisting of natural gas gathering and crude oil gathering systems positioned in the core areas of western Colorado, north-central Texas, northwestern North Dakota, northern West Virginia, southeastern New Mexico and southeastern Ohio. Our assets comprise of approximately 1,900 miles of pipeline and 295,000 horsepower of compression which enable us to provide gathering, compression and dehydration services to some of the largest natural gas and crude oil producers in North America.

Summit operates gas and liquid pipelines in your area. Because you live or work near a Summit pipeline we request you please read this information and share it with your family, friends, co-workers and community. Everyone plays a role in pipeline safety so it is vital that you are informed about the safety messages that are tied to the energy that plays an important role in our lives.

What you should learn and know from reading this communication:

- General pipeline information.
- How to contact Summit and the safety measures we take to maintain safe operations.
- How to identify where Summit pipelines are located near you.
- Safe digging procedures and how to ensure others around you are using safe digging practices.
- How to recognize and respond in the event of a pipeline emergency.

PIPELINE PURPOSE AND RELIABILITY

Pipelines are the safest and most efficient means of transporting natural gas and petroleum products, according to National Transportation Safety Board statistics. Pipelines transport natural gas, which provides about 24 percent of all the energy used in the United States, and over 700 million gallons of petroleum products per day.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Summit invests significant time and capital maintaining the quality and integrity of our pipeline systems to maintain public safety, minimize environmental impact, and minimizing customer outages.

- Pipelines are monitored through aerial and ground surveillance to verify the integrity of the pipeline and to detect potential threats along the pipeline right-of-way.
- Pipelines are monitored 24 hours a day via Summit's Operation Control Center.
- Control center personnel continually monitor our pipeline systems and assess any changes in pressure and flow outside of normal operations.
- Control center personnel notify and dispatch trained local field operations personnel if there is a possibility of a product release or of an incident requiring emergency action.
- Some pipeline systems are equipped with automatic shut-off valves which can be utilized to isolate a section of the pipeline system in the event of a product release or emergency condition.
- Summit has developed a comprehensive Integrity Management Program (IMP) in accordance with State and Federal regulations in order to maintain the safety, reliability and integrity of our pipeline assets.
- As part of the IMP, Summit has identified all pipeline segments that are considered a "High Consequence Area" (HCA). Integrity assessment methods are applied to all pipelines that contain an HCA. An overview of our IMP is available upon request.

EMERGENCY CONTACT:
1-888-643-7929

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Burke	Mountrail
Divide	Williams

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

DAMAGE PREVENTION IS IMPORTANT TO SUMMIT MIDSTREAM

Summit Midstream Partners, LP maintains a Damage Prevention Program in accordance with state and federal guidelines. The purpose of this program is to prevent damage to our pipelines and facilities from excavation activities.

CALL BEFORE YOU DIG. IT'S FREE, AND IT'S THE LAW!

Most pipeline accidents occur when individuals are not aware of a pipeline's location before they begin their work. You can help prevent pipeline incidents by contacting your state one call agency before you dig. One easy phone call to 811 gets the approximate location of underground utility lines marked for free. The new 811 number eliminates the confusion of multiple "Call Before You Dig" numbers because it's easy to use and remember, and is the same in every state. Calls will be routed to the respective One Call Centers which will then notify Summit Midstream when the excavation is near one of our pipelines.

FARM AND EXCAVATION SAFETY IS A SHARED RESPONSIBILITY

No one digs more dirt than America's farmers, ranchers, and excavators, which is why many agricultural operations such

as chisel plowing, deep ripping or soil sampling, drain tile installation and other deep excavation activities can benefit from calling 811.

Accidentally striking a pipeline can lead to serious injury or death, making it critical for farmers and excavators to follow appropriate safety procedures. If your farming activities consist of DEEP PLOWING, POST HOLE DIGGING, LEVELING, MAINTAINER USE, DIGGING, TRENCHING, or any other below surface use of equipment, it is critical for you to make a One-Call.

Over time, the depth of the pipeline can change due to natural causes, erosion, and other factors. Always call 811 to have the lines marked so that you can be sure to stay safe.

HOW WOULD YOU KNOW WHERE A SUMMIT MIDSTREAM PIPELINE IS?

Pipeline markers are typically seen where a pipeline intersects a street, highway or railway. They are placed along pipeline routes to identify the approximate—NOT EXACT—location of the pipeline. They contain information about Summit Midstream, the product transported, and our emergency telephone number. For any person to willfully deface, damage, remove, or destroy any pipeline marker is a federal crime.

Markers do not indicate pipeline burial depth, which will vary.

Pipeline Marker — This marker is the most common. It contains Summit Midstream information, product, and emergency contact number. Size, shape and color may vary.

Aerial Marker — These skyward facing markers are used by patrol planes that monitor Summit Midstream pipeline routes.

Casing Vent Marker — This marker indicates that a Summit Midstream pipeline (protected by a steel outer casing) passes beneath a nearby roadway, rail line or other crossing.

WHAT TO DO IN CASE OF DAMAGING/DISTURBING A SUMMIT MIDSTREAM PIPELINE

If you cause or witness even minor damage to our pipeline or its protective coating, please notify Summit Midstream immediately. Even a small disturbance to the pipeline may cause a future leak. A gouge, scrape, dent or crease is cause enough for us to inspect the damage and make repairs.

Excavators must notify Summit Midstream through the One-Call Center immediately but not later than two hours following the damage incident.

WHAT IS A RIGHT-OF-WAY AND CAN I BUILD OR DIG ON IT?

Summit Midstream works diligently to establish written agreements, or easements, with landowners to allow for ease of construction and maintenance when our pipelines cross private property. Rights-of-way are often recognizable as corridors that are clear of trees, buildings or other structures except for the pipeline markers. A right-of-way may not have markers clearly present and may only be indicated by cleared corridors of land, except where farm land or crops exist. County Clerk's Offices also have record of easements which are public record.

HOW WOULD YOU RECOGNIZE A PIPELINE LEAK?

SIGHT
Liquid pools, discolored or dead vegetation, continuous bubbling in wet or flooded areas, an oily sheen on water surfaces, or blowing dirt around a pipeline area can all be indicative of a pipeline leak.

SOUND
Volume can range from a quiet hissing to a loud roar depending on the size of the leak and pipeline system.

SMELL
An unusual smell, or petroleum odor, will sometimes accompany pipeline leaks.

WHAT TO DO IN THE EVENT OF A LEAK:

- Turn off any equipment and eliminate any ignition sources without risking injury.
- Leave the area by foot immediately. Try to direct any other bystanders to leave the area. Attempt to stay upwind.
- Notify Summit Midstream and call 911 or your local emergency response number.

WHAT NOT TO DO IN THE EVENT OF A LEAK:

- ***DO NOT*** cause any open flame or other potential source of ignition such as an electrical switch, vehicle ignition, light a match, etc. Do not start motor vehicles or electrical equipment.
- ***DO NOT*** come into direct contact with any escaping liquids.
- ***DO NOT*** drive into a leak while leaving the area.
- ***DO NOT*** attempt to operate any pipeline valves yourself. You may inadvertently route more product to the leak or cause a secondary incident.
- ***DO NOT*** attempt to extinguish a petroleum product fire. Wait for local firemen and other professionals trained to deal with such emergencies.

WHAT DOES SUMMIT MIDSTREAM DO IF A LEAK OCCURS?

In order to prepare for potential leaks, Summit Midstream regularly communicates, plans, and trains with local emergency personnel such as fire and police departments. Upon the notification of an incident or leak, either by Summit Midstream internal control center or by phone, we will immediately dispatch trained personnel to assist public safety officials in their response to the emergency. Summit Midstream will also take steps to minimize the amount of product that leaks out and to isolate the pipeline.

Summit Midstream control center may:

- Stop or reduce the flow of product
- Dispatch pipeline emergency response personnel and equipment to the emergency site
- Inform you of any special precautionary recommendations
- Act as a liaison between emergency response agencies and Summit Midstream personnel
- Help bring the incident to conclusion as quickly and safely as possible

HOW CAN YOU HELP?

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. Summit Midstream is responsible for the safety and security of our pipelines. Here's what you can do to help:

- Become familiar with Summit Midstream pipelines and pipeline facilities in the area (marker signs, fence signs at gated entrances, etc).

- Record Summit Midstream contact information and any pipeline information from nearby marker/facility signs and keep in a permanent location near the telephone.
- Be aware of any unusual or suspicious activities or unauthorized excavations taking place within or near the Summit Midstream pipeline right-of-way or pipeline facility; report any such activities to Summit Midstream and the local law enforcement.

RESPONDING TO A PIPELINE EMERGENCY

The following guidelines are designed to ensure the safety of those in the area if a petroleum product leak is suspected or detected:

- **Secure the area around the leak to a safe distance.**

Because vapors from the products carried in pipelines can migrate great distances, it is important to remove all ignition sources from the area. Keep in mind, Highly Volatile Liquid (HVL) vapors are heavier than air and can collect in low areas such as ditches, sewers, etc. If safe, evacuating people from homes, businesses, schools and other places of congregation, as well as controlling access to the site may be required in some incident scenarios. Sheltering in place may be the safest action if the circumstances make going outdoors dangerous.

- If the pipeline leak is not burning ***DO NOT*** cause any open flame or other potential source of ignition such as an electrical switch, vehicle ignition, light a match, etc. ***DO NOT*** start motor vehicles or electrical equipment.
- If the pipeline leak is burning attempt to control the spread of the fire, but ***DO NOT*** attempt to extinguish a petroleum product fire. When extinguished, petroleum products could collect and explode if reignited by secondary fire.
- ***DO NOT*** attempt to operate any pipeline valves yourself. You may inadvertently route more product to the leak or cause a secondary incident.
- **Establish a command center.** Work with Summit Midstream as you develop a plan to address the emergency. We will need to know:
  - Your contact information and the location of the emergency
  - Size, characteristics and behavior of the incident, and if there are any primary or secondary fires
  - Any injuries or deaths
  - The proximity of the incident to any structures, buildings, etc.
  - Any environmental concerns such as bodies of water, grasslands, endangered wildlife and fish, etc.
- **Evacuate or shelter in place.** Depending on the level of product, and whether or not the product was released, or other variables, it may be necessary to evacuate the public or have the public shelter in place. Evacuation route and the location of the incident will determine which procedure is required, but both may be necessary. Evacuate people upwind of the incident if necessary. Involving Summit Midstream may be important in making this decision.

NATIONAL PIPELINE MAPPING SYSTEM

Transmission Pipeline Mapping

The U.S. Department of Transportation's Office of Pipeline Safety has developed the National Pipeline Mapping System (NPMS) to provide information about gas transmission and liquid transmission operators and their pipelines. The NPMS Web site is searchable by zip code or by county and state, and can display a county map that is printable. For a list of pipeline operators with pipelines in your area and their contact information, go to www.npms.phmsa.dot.gov. Operators of production facilities, gas/liquid gathering piping and distribution piping, are not represented by NPMS nor are they required to be.

PLANNING, ZONING AND PROPERTY DEVELOPMENT

It is crucial to coordinate with Summit Midstream to take the location of pipelines into consideration in land use plans, zoning, and property development activities. Developments can make use of pipeline easements as open spaces and greenway connectors. Pipeline depth is a crucial consideration during development planning to ensure costs for lowering or relocation are identified. Changes to the topography on either side of the pipeline may impose unacceptable stresses on the pipeline. Summit Midstream would like to coordinate the development of site plans where large numbers of people congregate, including schools, churches, etc.

SUMMIT MIDSTREAM PARTNERS, LP PRODUCTS TRANSPORTED

Natural Gas (Gas)

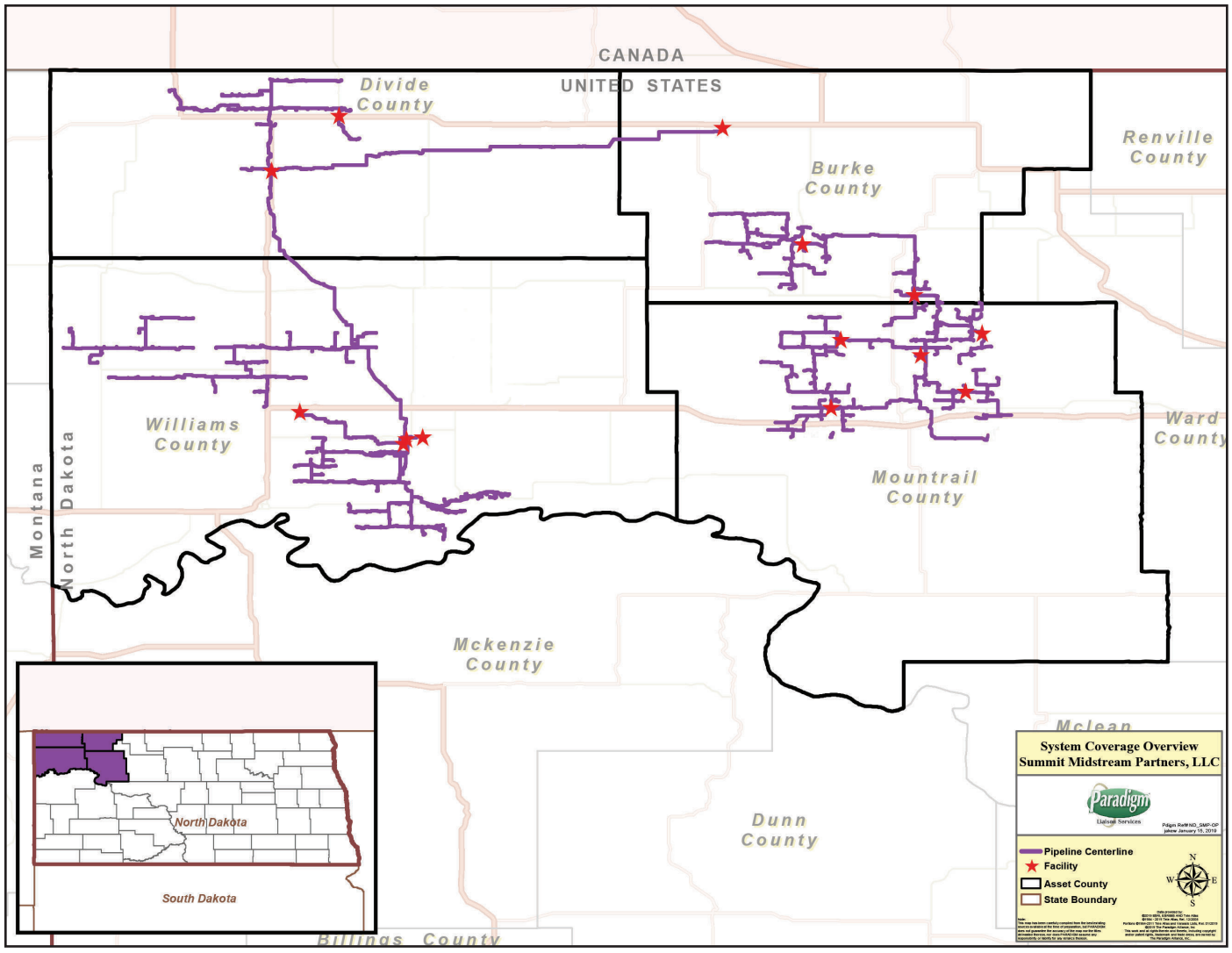
Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.

Health Hazards
Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

Crude Oil (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.



Summit Midstream System Map

Summit Midstream operates pipeline between 2” -12” in diameter

North Dakota Office
Robert McDonnell
1939 125th Ave. NW
Watford City, ND 58854
Phone: 701-842-3315 ext. 50007

U.S. Headquarter Office
811 Louisiana, Ste. 2100
Houston, TX 77002
Phone: 713-584-1000
Fax: 713-584-1100
Website: targaresources.com

OVERVIEW

Targa Badlands, LLC operates approximately 726 miles of crude oil gathering pipelines in the Bakken and Three Forks Shale plays of the Williston Basin in North Dakota. The Badlands assets also includes approximately 278 miles of natural gas gathering pipelines and the Little Missouri natural gas processing plant.

If an emergency situation occurs on or near Targa pipelines, please call us at any time using one of the numbers listed in this document. For more information regarding Targa Resources please visit www.targaresources.com

TARGA'S ACTIONS DURING AN EMERGENCY

Technicians will immediately be dispatched to the site to help handle the emergency and to provide information to public safety officials to aid in the response to the emergency. Steps will also be taken to minimize the impact of the leak, including but not limited to: starting or stopping pumps and closing or opening valves. Public safety personnel and others unfamiliar with the pipeline involved in the emergency should not attempt to operate any of the valves on the pipeline. Improper operation of the pipeline valves could make the situation worse and cause other accidents to happen.

IF YOU OR YOUR COMPANY PERFORMS EXCAVATION WORK ...

... or if you are a homeowner or a farmer who occasionally digs on your property, we need your help in preventing pipeline emergencies. Records show that damage from excavation-related activities, particularly from equipment digging into pipelines, is the number one cause of pipeline accidents. Without proper coordination. excavation activities in the vicinity of underground pipelines can result in very dangerous situations.

WHAT TO DO IF YOU ARE DIGGING AND DISTURB A PIPELINE

Even if you cause what seems to be only minor damage to the pipeline, notify Targa immediately. A gouge, scrape, dent, or crease to the pipe or coating may cause a future break or leak. It is imperative that Targa inspects and repairs any damage to the line.

IF YOU LIVE OR WORK NEAR A PIPELINE, HOW CAN YOU TELL WHERE A PIPELINE IS LOCATED? LOOK FOR THESE SIGNS:

Located near roads, railroads and along pipeline right-of-ways | Painted metal or plastic posts | Pipeline casing vent | Marker for pipeline patrol plane

NOTE: Emergency phone numbers on signs.

EMERGENCY CONTACT:
1-866-957-3133

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
Crude Oil	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Dunn
McKenzie
Mountrail

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

811
Know what's **below.**
Call before you dig.

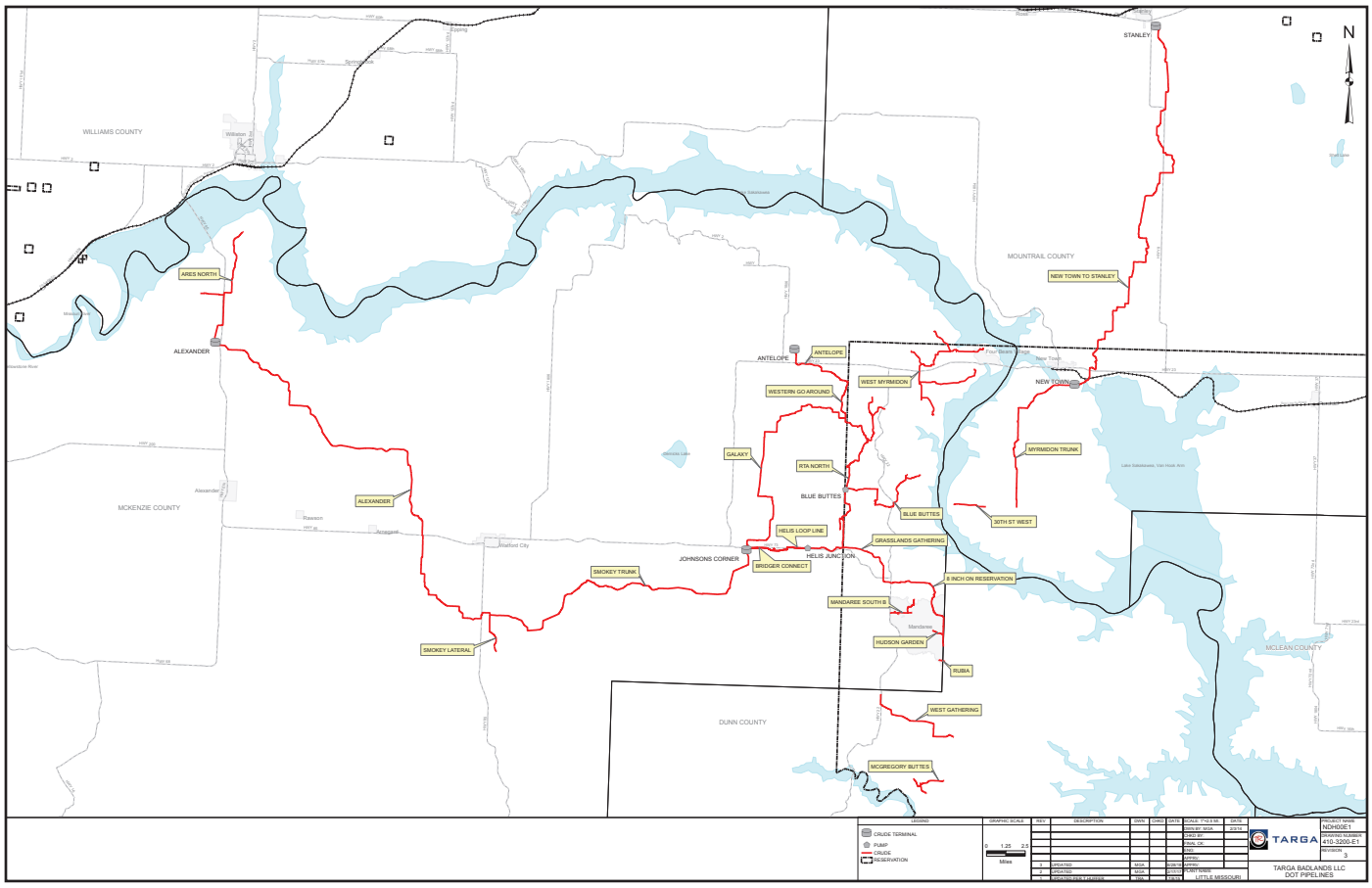
LOOK FOR PIPELINE MARKERS

Because pipelines are buried underground, markers like the ones shown in the table are used to indicate their approximate location along the route. The markers can be found where a pipeline intersects a street, highway or railway. In cities, sometimes markers are located on curbs. Markers indicate the general location of a pipeline, but. cannot be relied upon to indicate exact position of the pipeline. The pipeline may not follow a straight course between markers. And, while markers are helpful in indicating a general pipeline location, they are limited in the information they provide. For example, markers do not indicate the depth or number of pipelines in the vicinity. The markers display the product transported in the line, the name of the pipeline operator, and a telephone number where the operator can be reached in the event of an emergency.

IF YOU ARE A PUBLIC SAFETY OFFICIAL ...

...you know to take whatever steps you deem necessary to safeguard the public in the event of a pipeline emergency. The following suggestions are offered as a guide:

- Secure the area around the leak to a safe distance. This could include the evacuation of people from homes, businesses, schools, and other locations, as well as the erection of barricades to control access to the emergency site and similar precautions.
- If the pipeline leak is not burning, take steps to prevent ignition. This could include prohibiting smoking, rerouting traffic, and shutting off the electricity and gas supply.
- If the pipeline leak is burning, try to prevent the spread of fire but do not attempt to extinguish it. Burning petroleum products will not explode. If the fire is extinguished, gas or vapor will collect and could explode when reignited by secondary fires.
- Contact Targa as quickly as possible. Pipeline markers show the pipeline operator, emergency telephone number, and pipeline contents.



E-mail: public_awareness@tcenergy.com
Website: www.tcenergy.com

TC Energy

ABOUT TC ENERGY

TC Energy, operator of the Bison Pipeline, LLC, is a leading North American energy infrastructure company with an industry leading safety record. Our network of more than 57,000 miles of natural gas pipelines connect virtually every major natural gas supply basin and market, transporting 25% of the clean-burning natural gas consumed daily across North America to heat homes, fuel industries and generate power.

WHAT DOES TC ENERGY DO IF AN INCIDENT OCCURS?

In the unlikely event an incident should occur, TC Energy would immediately respond by shutting down the pipeline and dispatching emergency personnel to the location of the incident. Valves spaced at intervals along all TC Energy pipelines allow incidents to be quickly and effectively isolated.

Trained crews would be dispatched to the work site to further isolate the area and coordinate a response with local emergency services. TC Energy will not restart the pipeline until the issue has been identified and it is safe to do so.

TC Energy's policies and practices for emergency response planning go above and beyond the standard regulatory requirements for emergency response.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

TC Energy conducts a rigorous pipeline maintenance program to ensure the integrity and safety of our systems. This includes but is not limited to ground surveys, cathodic protection, hydrostatic testing, investigative digs, patrols and in-line inspections. The pipeline facilities are constantly monitored to ensure safety and integrity of the entire system 24/7.

In accordance with federal regulations, some segments along TC Energy's pipelines have been designated as High Consequence Areas (HCAs) where extra precautions are taken. For information regarding these measures, contact TC Energy and ask to speak with the US IMP Program Manager.

PIPELINE MARKERS

Pipeline markers show the general location of pipeline facilities.

Know What's Below. Call 811 before every digging project.*

**refer to your local One-Call requirements.*

EMERGENCY CONTACT:
1-800-447-8066

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Bowman	Morton
Grant	Slope
Hettinger	Stark

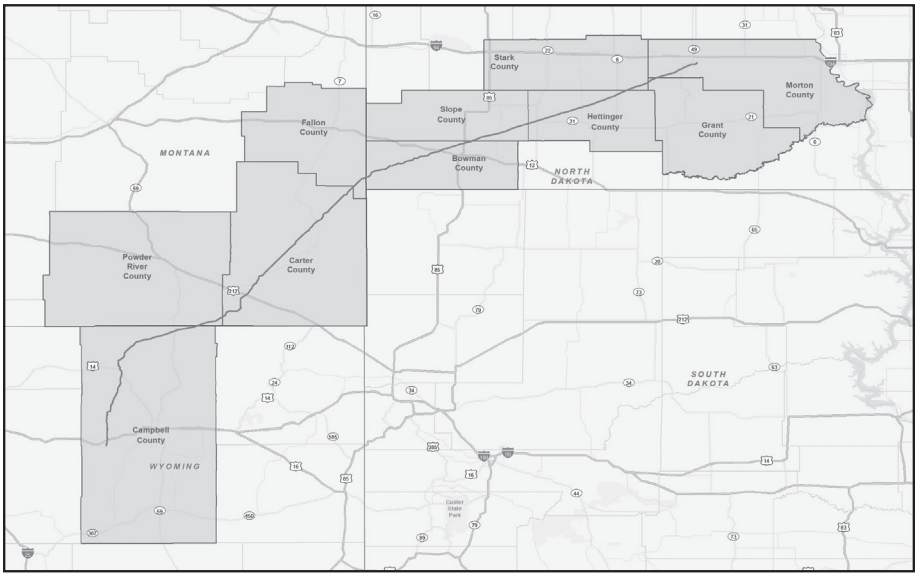
Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

HOW TO GET ADDITIONAL INFORMATION

If you have any questions or concerns, please contact us.
Phone: 1-855-458-6715
Email: public_awareness@tcenergy.com

PRODUCTS TRANSPORTED

PRODUCT	LEAK TYPE	VAPORS
NATURAL GAS	Gas	Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.
HEALTH HAZARDS	Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.	



TC Energy

EMERGENCY CONTACT:
1-866-920-0007

TC Energy is meeting the growing demand for energy across North America — and maximizing our pipeline infrastructure — through innovative and strategic pipeline solutions that will transport Canadian crude oil, as well as U.S. domestic crude oil to key U.S. markets in the Midwest and U.S. Gulf Coast.

KEYSTONE PIPELINE SYSTEM

The Keystone Pipeline System is a 2,639-mile pipeline system that transports crude oil from Canada to markets in the American Midwest and the U.S. Gulf Coast. The U.S. portion of the pipeline enters North Dakota, then runs south through South Dakota and Nebraska. At Steele City, Nebraska one arm of the pipeline runs east through Missouri for deliveries to Wood River and Patoka, Illinois. Another arm runs south through Oklahoma for deliveries into Cushing and continues south for deliveries into the Port Arthur and Houston, Texas areas.

EMERGENCY CONTACT:
1-866-920-0007

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

NORTH DAKOTA COUNTIES OF OPERATION:

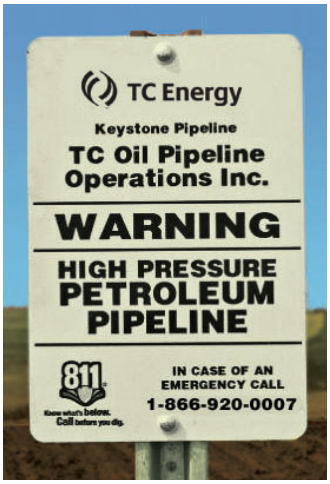
Barnes	Ransom
Cavalier	Sargent
Nelson	Steele
Pembina	Walsh

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

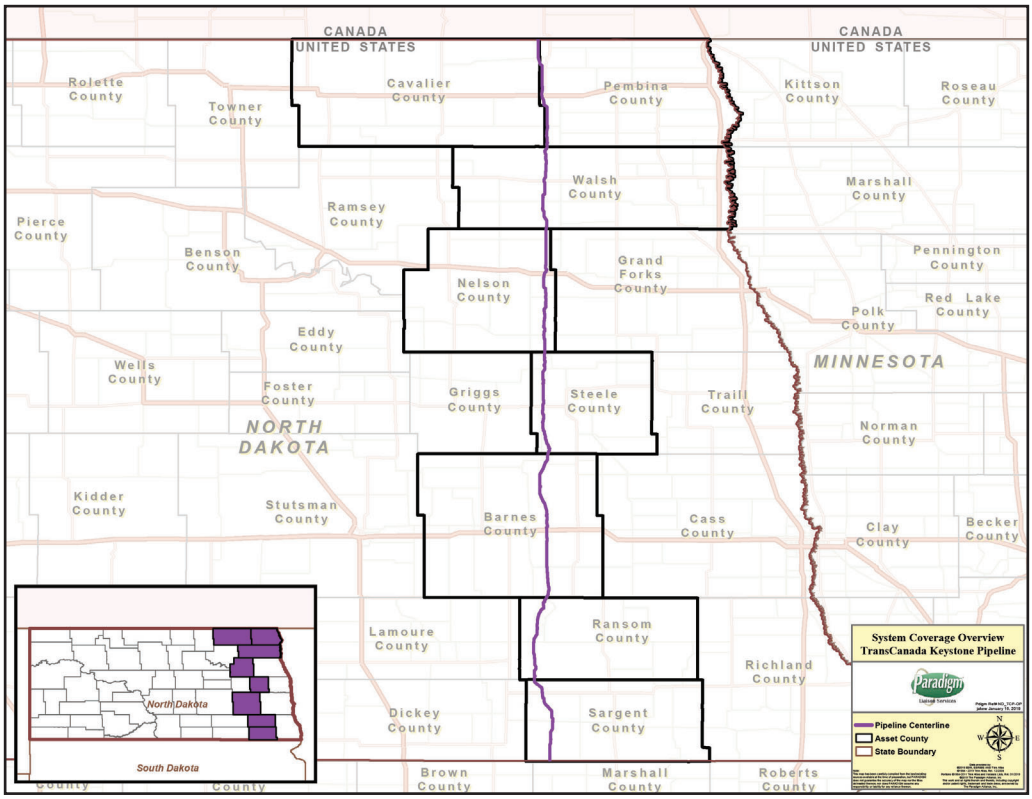
COMMITMENT TO SAFETY, HEALTH & ENVIRONMENT

Pipeline system safeguards are in place to protect the public and prevent emergencies from occurring. Our employees, community officials and the police, fire, medical and relief agencies in your area are ready to respond to any pipeline emergency, no matter how remote the possibility may be. TC Energy has developed a detailed Emergency Management System (EMS). We train our staff to know our systems and exactly what to do if an emergency occurs.

As part of our Public Awareness Program, we regularly inform local first responders and community officials of what they can expect from us and how to jointly co-ordinate a response. We provide information and direction to safely respond to a pipeline emergency. **For additional information contact Public Awareness at: (855) 458-6715 or via email at: public_awareness@tcenergy.com**



Typical TC Energy Keystone marker sign on the pipeline right of way (ROW) at road / railway and canal crossings



E-mail: public_awareness@tcenergy.com
Website: www.tcenergy.com

Northern Border Pipeline Company
Operated by TC Energy

ABOUT TC ENERGY

TC Energy, operator of the Northern Border Pipeline (NBPL), is a leading North American energy infrastructure company with an industry leading safety record. Our network of more than 57,000 miles of natural gas pipelines connect virtually every major natural gas supply basin and market, transporting 25% of the clean-burning natural gas consumed daily across North America to heat homes, fuel industries and generate power.

WHAT DOES TC ENERGY DO IF AN INCIDENT OCCURS?

In the unlikely event an incident should occur, TC Energy would immediately respond by shutting down the pipeline and dispatching emergency personnel to the location of the incident. Valves spaced at intervals along all TC Energy pipelines allow incidents to be quickly and effectively isolated.

Trained crews would be dispatched to the work site to further isolate the area and coordinate a response with local emergency services. TC Energy will not restart the pipeline until the issue has been identified and it is safe to do so.

TC Energy's policies and practices for emergency response planning go above and beyond the standard regulatory requirements for emergency response.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

TC Energy conducts a rigorous pipeline maintenance program to ensure the integrity and safety of our systems. This includes but is not limited to ground surveys, cathodic protection, hydrostatic testing, investigative digs, patrols and in-line inspections. The pipeline facilities are constantly monitored to ensure safety and integrity of the entire system 24/7.

In accordance with federal regulations, some segments along TC Energy's pipelines have been designated as High Consequence Areas (HCAs) where extra precautions are taken. For information regarding these measures, contact TC Energy and ask to speak with the US IMP Program Manager.

PRODUCTS TRANSPORTED

Product: Natural Gas
Leak Type: Gas
Vapors: Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.
Health Hazards: Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

EMERGENCY CONTACT:
1-800-447-8066

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

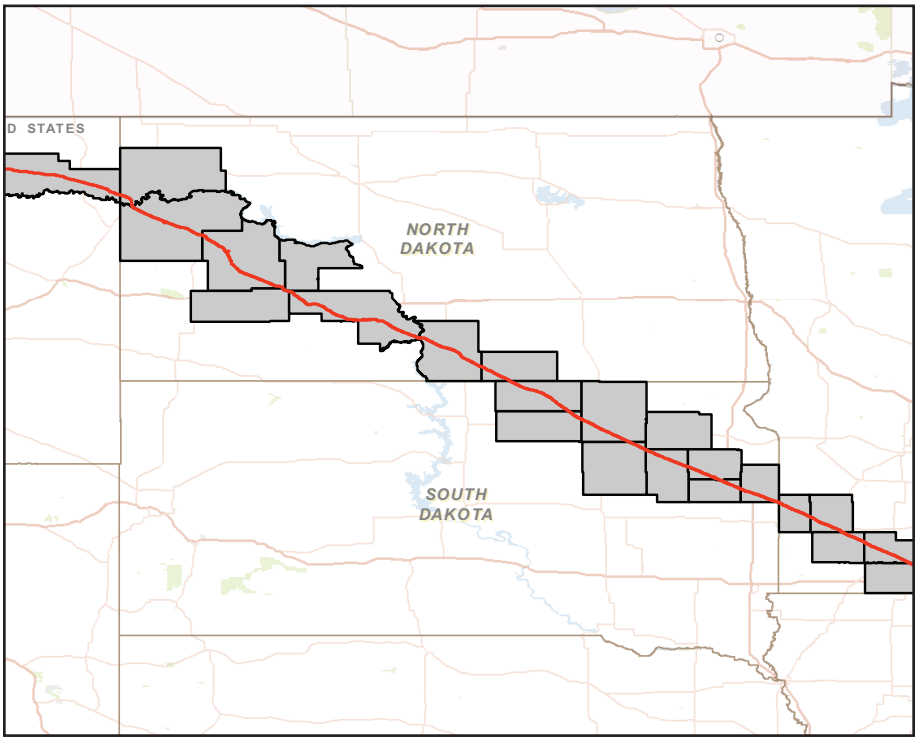
NORTH DAKOTA COUNTIES OF OPERATION:

Dunn	Mercer
Emmons	Morton
McIntosh	Stark
McKenzie	Williams

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

HOW TO GET ADDITIONAL INFORMATION

If you have any questions or concerns, please contact us.
Phone: 1-855-458-6715
Email:
public_awareness@tcenergy.com



Rick Wightman
Regional Director-Operations
USG Wheatland Pipeline, LLC
Mailing Address: PO Box 2740, Williston, ND 58802
Office Address: 13546 Bassett Lane, Williston, ND 58801
Phone: (701) 774-2357
www.nexteraenergyresources.com

WHO IS WHEATLAND PIPELINE?

We operate a 21.3 mile petroleum transportation pipeline in McKenzie County, North Dakota, along with related storage and metering facilities.

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.

WHAT ARE THE SIGNS OF A PETROLEUM PIPELINE LEAK?

- Blowing or hissing sound
- Pooling black petroleum
- Continuous bubbling in wet or flooded areas
- Hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

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 natural gas fire
- Do not attempt to operate any pipeline valves

NORTH DAKOTA ONE CALL

PIPELINE SAFETY

System failures occur infrequently along the nation's network of interstate natural gas pipeline facilities, and many of these 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 petroleum pipeline and to provide contact information. Aerial patrol planes also use the markers to identify the pipeline route. Markers should never be removed or relocated by anyone other than a pipeline operator. They look like this:

EMERGENCY CONTACT:
1-701-774-2357 or
1-866-535-6836

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128

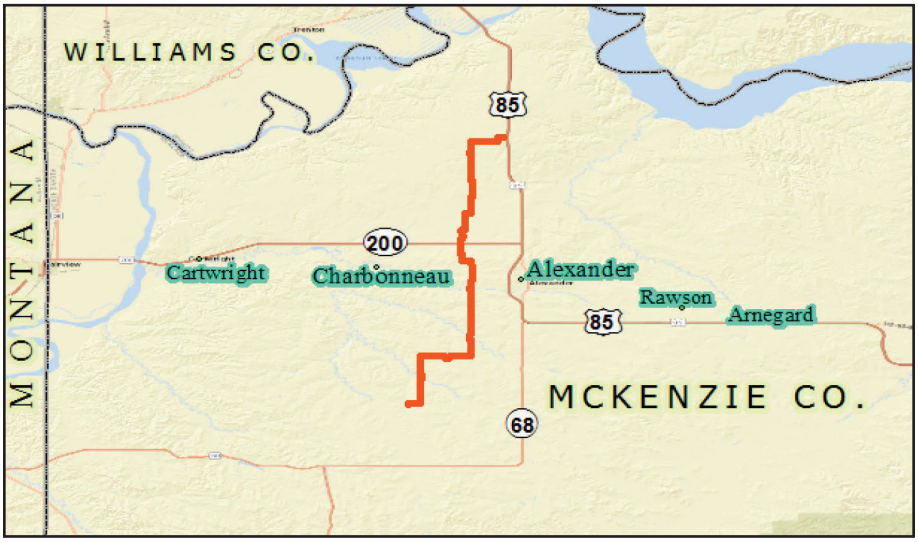
NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie

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.

USG Wheatland monitors our pipelines to ensure their safe and effective operation. Your assistance with helping us maintain the integrity and safety of our pipeline systems is imperative and greatly appreciated.



Pipeline Diameter: 8"

ABOUT VAN HOOK GATHERING SERVICES, LLC

Van Hook Gathering Services, LLC is a midstream company focused on providing flexible custom gathering, storage, and transportation solutions for crude oil, natural gas, and produced water in the Bakken Shale of North Dakota. Van Hook's Bakken efforts are focused on creating integrated gathering, storage, and transportation solutions that provide producers with economic outbound optionality and premium multi-market access.

EMERGENCY CONTACT:
1-800-447-8066

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

McKenzie
Mountrail

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

WHAT DOES VAN HOOK GATHERING SERVICES, LLC DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train 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.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

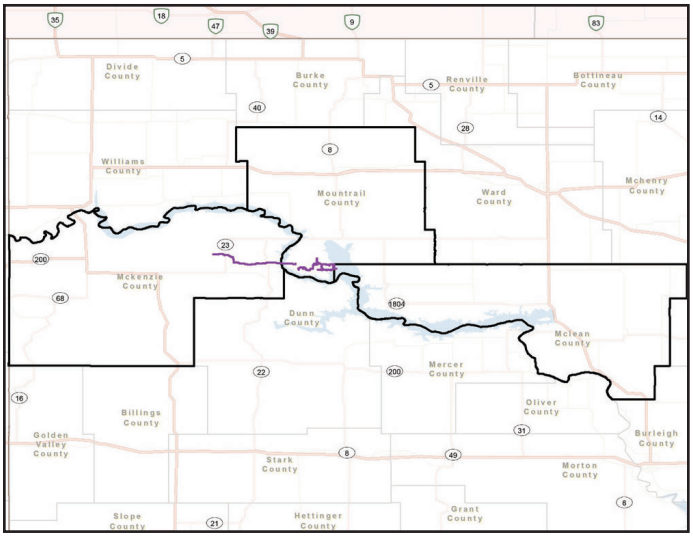
MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Van Hook Gathering Services, LLC invests 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. Van Hook Gathering Services, LLC also utilizes 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.

Pipelines are a non-intrusive and efficient method for transporting materials with minimal to no impact on our roads, waterways and our community, as most are buried underground. It is important to know where pipelines are located and what to do if you detect a leak. Pipeline operators post markers to indicate the general location of buried pipe as well as who to contact with questions or in the event of an emergency.

HOW TO GET ADDITIONAL INFORMATION

For more information contact us directly.



PRODUCTS TRANSPORTED IN YOUR AREA

PRODUCT	***LEAK TYPE***	***VAPORS***
HAZARDOUS LIQUIDS [SUCH AS: CRUDE OIL, 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.	
NATURAL GAS	Gas	Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.
HEALTH HAZARDS	Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.	

4", 6", 8", 12" and 16" pipelines

Website: www.pembina.com

PEMBINA

ABOUT VANTAGE PIPELINE US LP

Vantage Pipeline US LP (Vantage) is the operator of the Vantage Pipeline and the West Spur Lateral (known as Vantage U.S.). Vantage is a subsidiary of Pembina Pipeline Corporation.

Vantage U.S. is comprised of approximately 128 miles of pipeline, originating from gas plants in Tioga and Stateline, North Dakota and extending to the northwest corner of North Dakota, running through Williams County and Divide County. Vantage U.S. links the North Dakota Bakken Formation – an underground area that has large deposits of oil and natural gas – to the petrochemical industry.

The pipelines are high vapor pressure (HVP) pipes that transport ethane to the Canadian border, and from there the product is sent to the petrochemical industry for processing in Alberta, Canada.

EMERGENCY CONTACT:
1-800-360-4706

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Ethane	1035	115

NORTH DAKOTA COUNTIES OF OPERATION:

Divide Williams

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

Vantage U.S. is buried underground. Line markers and warning signs are used to indicate the presence of the pipeline in areas along the Right of Way. Here is an example of the marker used to identify the Vantage U.S. pipeline.

VANTAGE IS FOCUSED ON PIPELINE SAFETY AND MAINTAINING THE INTEGRITY OF OUR PIPELINES

We know that maintaining the integrity of our oil and gas pipelines is essential to the health and safety of the communities where we operate. That's why we've developed, and are continuously improving, processes and programs to monitor our pipelines.

Vantage ensures our pipelines and facilities are designed, constructed, and operated in a safe and environmentally responsible manner. We develop stringent standards and review potential hazards, in addition to conducting regular safety meetings, contractor screenings, and inspections.

Vantage conducts regular inspections, maintenance, and testing to confirm that pipelines are operating safely. Pipelines are monitored 24/7/365 from a control room using sensors that monitor flow and operating conditions. We also use in-line tools and aerial inspections to monitor pipelines.

SAFETY IS A SHARED RESPONSIBILITY

Pipelines are designed and constructed to be safe. Vantage takes many steps to ensure safe and reliable operations which include a strict adherence to a solid Integrity Management Program and continuous monitoring and maintenance. Damage from third-party excavation and construction activities around pipelines is the most common cause of damage to pipelines. That's why safety is a shared responsibility and members of the digging community and the public have a responsibility to help protect pipelines from damage.

HOW YOU CAN CONTACT US

We welcome the opportunity to make a connection with you — please contact us in any of the following ways.

24-hour emergency line: 1-800-360-4706

Vantage Pipeline US LP c/o Pembina Pipeline Corporation 4000,
585 - 8 Avenue S.W. Calgary,
Alberta, Canada T2P 1G1

Phone: 403-231-7500
Toll Free: 1-888-428-3222
www.pembina.com

Community and Aboriginal Relations – Non-emergency calls only Phone Toll Free: 1-888-920-1979 Email: community@pembina.com.

VIKING GAS TRANSMISSION COMPANY
A SUBSIDIARY OF ONEOK

Know what's below. Call before you dig.

Local Office
2805 Dodd Road, Suite 125
Eagan, MN 55121
Telephone: (651) 994-0332

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.

Viking Gas Transmission pipeline is a 672 mile natural gas pipeline that crosses three states, Minnesota, Wisconsin and North Dakota. In North Dakota pipe diameters are 6", 8", and 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 888-417-6275 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 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

EMERGENCY CONTACT:
1-888-417-6275

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Cass	Grand Forks

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

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

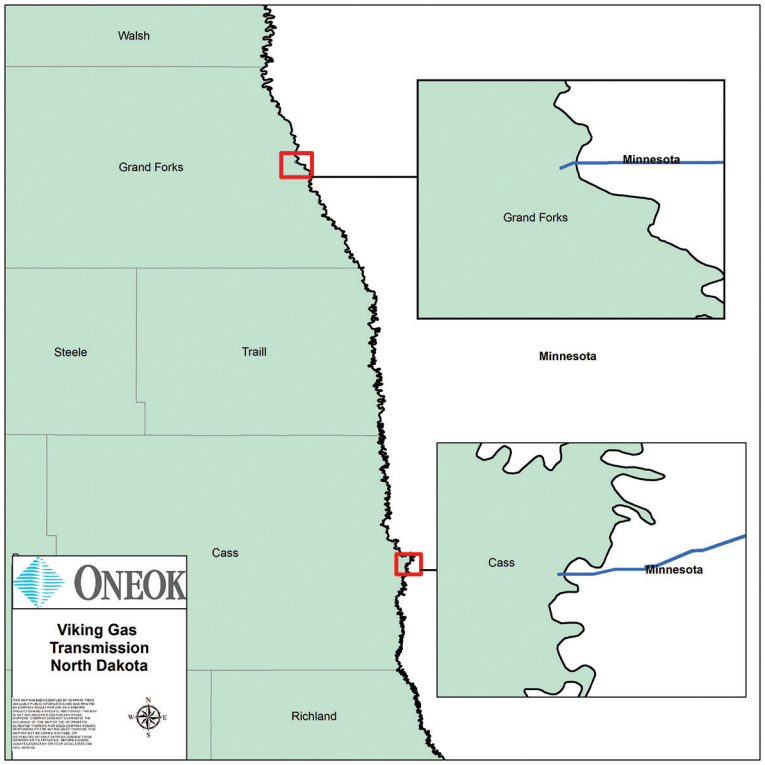
ONEOK relies on the public to be its eyes and ears along the pipeline. If you witness any act of vandalism, loitering, receive a bomb threat involving a ONEOK facility or other suspicious activity along the right of way or pipeline facility, please report it immediately to the ONEOK's Pipeline Control Center at 888-417-6275.

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 888-417-6275 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: 1-888-417-6275

Local Office:
2010 Montana Ave
Glendive, MT 59330
Phone: 406-359-7200

Headquarters
1250 West Century Avenue
Bismarck, ND 58503
Phone: 701-530-1600
Website: www.wbienergy.com

WBI Energy Transmission transports natural gas. Our steel coated pipelines vary in size from 2 inches to 24 inches in diameter. The maximum operating pressures range from as little as 100 lbs. to 1,468 lbs. Our computerized gas control center monitors the system 24 hours a day and can be reached at 1-888-859-7291.

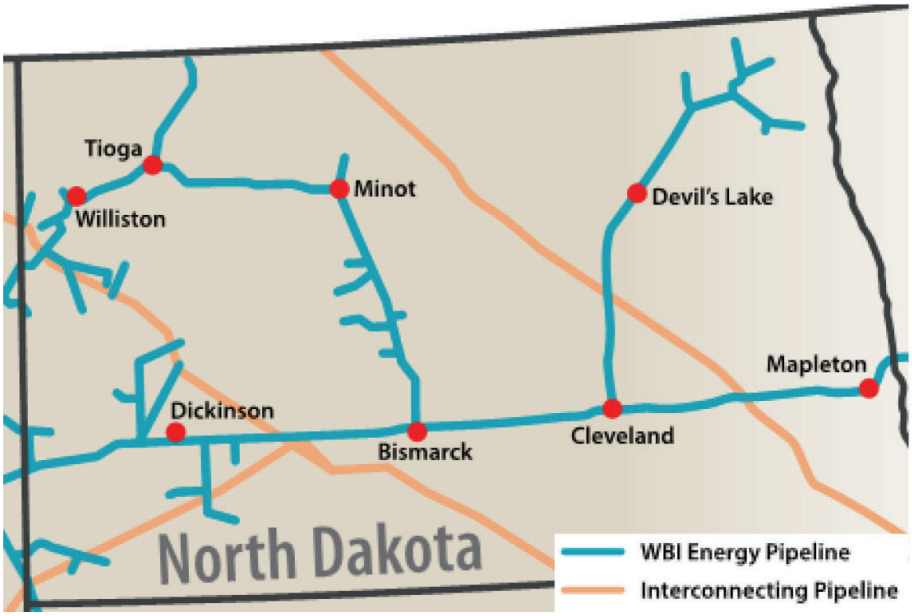
EMERGENCY RESPONSE

If a pipeline is damaged, even if the damage only appears to be minor, please notify us immediately. It is important that we evaluate and have the opportunity to repair any damage, no matter how minor.

Pipeline emergency action will begin the moment we are notified of the situation. Personnel and equipment will be dispatched to identify the emergency, control the flow of gas and make necessary repairs. We will coordinate our actions with fire, police and other public officials.

PRODUCTS TRANSPORTED IN YOUR AREA*

PRODUCT	*LEAK TYPE*	*VAPORS*
NATURAL GAS	Gas	Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.
HEALTH HAZARDS	Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.	



EMERGENCY CONTACT:
1-888-859-7291

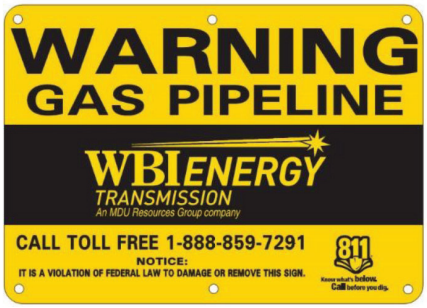
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Barnes	Kidder
Benson	McKenzie
Billings	McLean
Bowman	Morton
Burke	Mountrail
Burleigh	Pembina
Cass	Ramsey
Cavalier	Slope
Dunn	Stark
Eddy	Stutsman
Foster	Walsh
Golden Valley	Ward
Hettinger	Williams

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



Xcel Energy®
RESPONSIBLE BY NATURE®

To arrange a local meeting with an Xcel Energy gas emergency response representative, call 1-800-895-4999 and ask to be directed to the local community service area or gas operations manager. Your request will be directed to the appropriate field operations area.

FIRST RESPONSE FOR NATURAL GAS EMERGENCIES

Safety is a top priority for Xcel Energy. We safely install, maintain and routinely check our gas lines. And our employees are trained to assure a safe response to gas emergencies.

It's our goal to prevent injury to anyone - our employees, emergency responders and the public - and reduce any potential for damages that may result from a natural gas emergency.

Working in partnership with emergency responders helps us collectively provide a safe response. Knowing what your personnel can expect from us, and vice versa, goes a long way to providing a safer response.

In the event that you learn of a natural gas emergency first, you can help us by:

- Immediately contacting our non-published gas emergency number **1-800-541-8441**
- Indentifying the fire district calling
- Providing a complete address, or if unknown, the closest address or best directions possible
- Providing an accurate description of the nature of the situation, such as:
  - Inside gas leaking/blowing
  - Outside gas leaking/blowing
  - Inside fire
  - Outside fire
  - Injured parties
- Referring all public calls to our published customer gas emergency/gas odor number: **1-800-895-2999** and never to our non-published number.

Gas emergencies can result from numerous events. Events that may affect our pipeline system can include:

1. Vehicles or equipment striking a natural gas pipeline or facility.
2. Leaking or blowing gas near or involving a pipeline or facility.
3. Natural gas detected inside or near a building.
4. Fire located near or directly involving a pipeline or pipeline facility.
5. An explosion near or directly involving a pipeline facility.
6. Substantial service interruptions to a pipeline or pipeline facility.
7. A natural disaster, such as:
   a. Wind storms
   b. Hail
   c. Blizzard
   d. Flooding
   e. Tornado
   f. Earthquake
8. Civil disturbance
9. Any unusual situation whereby human life or significant property is endangered

PRIMARY FIRST RESPONDER ACTION

First Responders Responsibilities Include:

- Clearing a safe area around the location and roping or barricading it off
- Closing airspace surrounding area if necessary
- Controlling any crowd that may assemble
- Routing traffic away from the scene
- Fighting any Class-A perimeter fires
- Prohibiting smoking and other sources of ignition of any sort

If natural gas is burning, we ask that you protect nearby exposure, but do not attempt to put out the natural gas fire unless life is in jeopardy. Trying to put out a natural gas fire before the gas source is isolated could cause an explosion due to re-ignition.

While emergency response agencies are doing their part, Xcel Energy's gas emergency responders will do what needs to be done to protect lives and property.

- We will first protect people from injury by removing all persons from the danger zone. If a fire doesn't already exist, we will remove any sources of ignition.
- We will help persons in distress.
- Once all persons are protected, we will do what is possible to protect property.

EMERGENCY CONTACT:
1-800-895-2999

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115

NORTH DAKOTA COUNTIES OF OPERATION:

Barnes	Cass	Grand Forks

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

- We will eliminate the natural gas source. If it is possible to do so from the location of the emergency. In many cases, the natural gas must be shut off at a remote location. Xcel Energy employees are responsible for operating the valves that isolate the affected facilities, for eliminating the source and for reducing pressure in the pipeline where necessary. Our employees must perform these critical steps. Should others take well meaning, but incorrect, action, it could result in further damage and loss of service to many.
- Xcel Energy installs gas line markers to identify the presence of gas main and transmission lines and could be in the location of an emergency. The pipeline markers are for the identification of the existence of a gas facility in order to reduce damage or interference to the facility, and to inform the public how to contact the company for facility locates and damage response.

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*

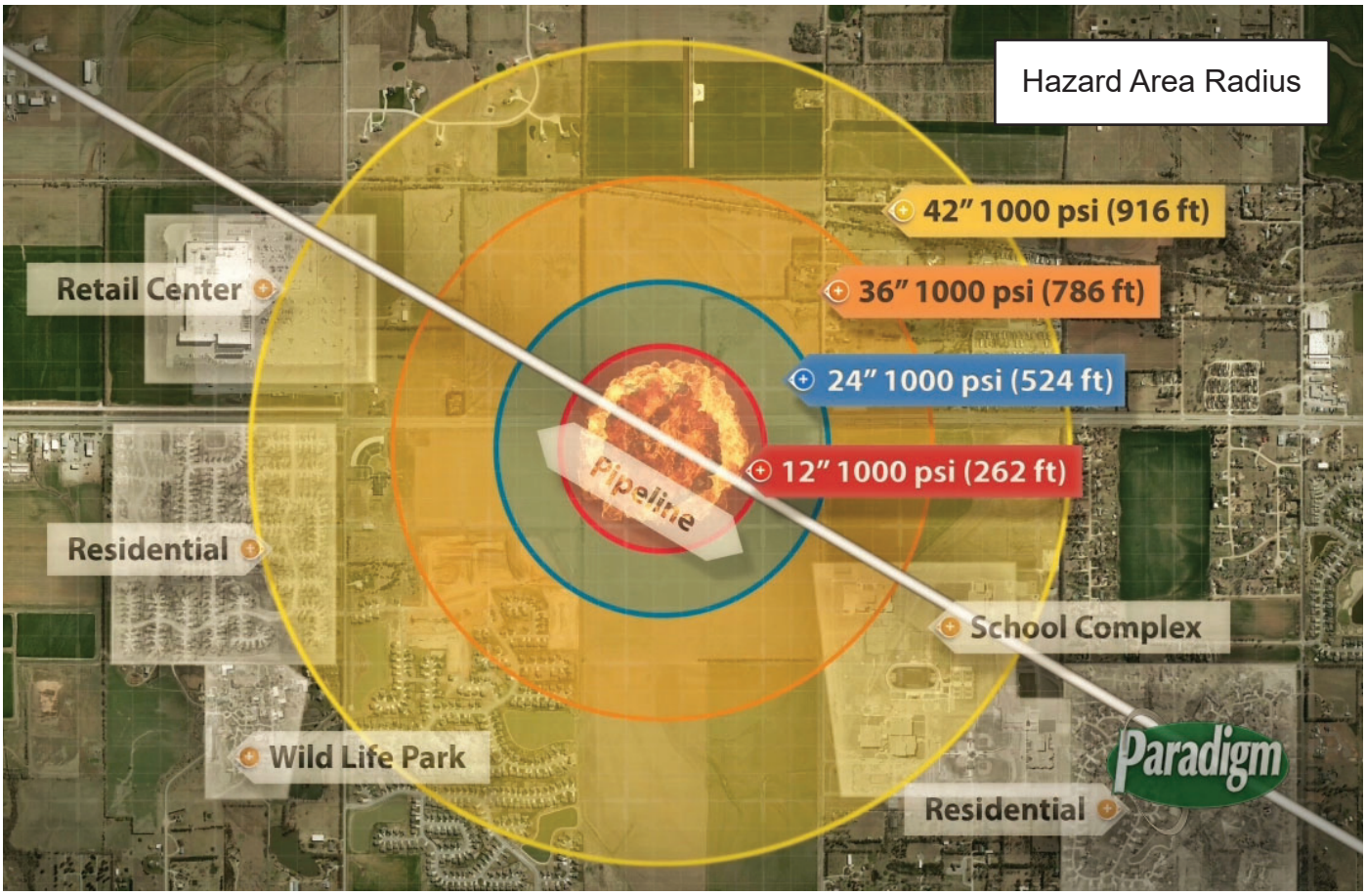
Hazardous Liquids

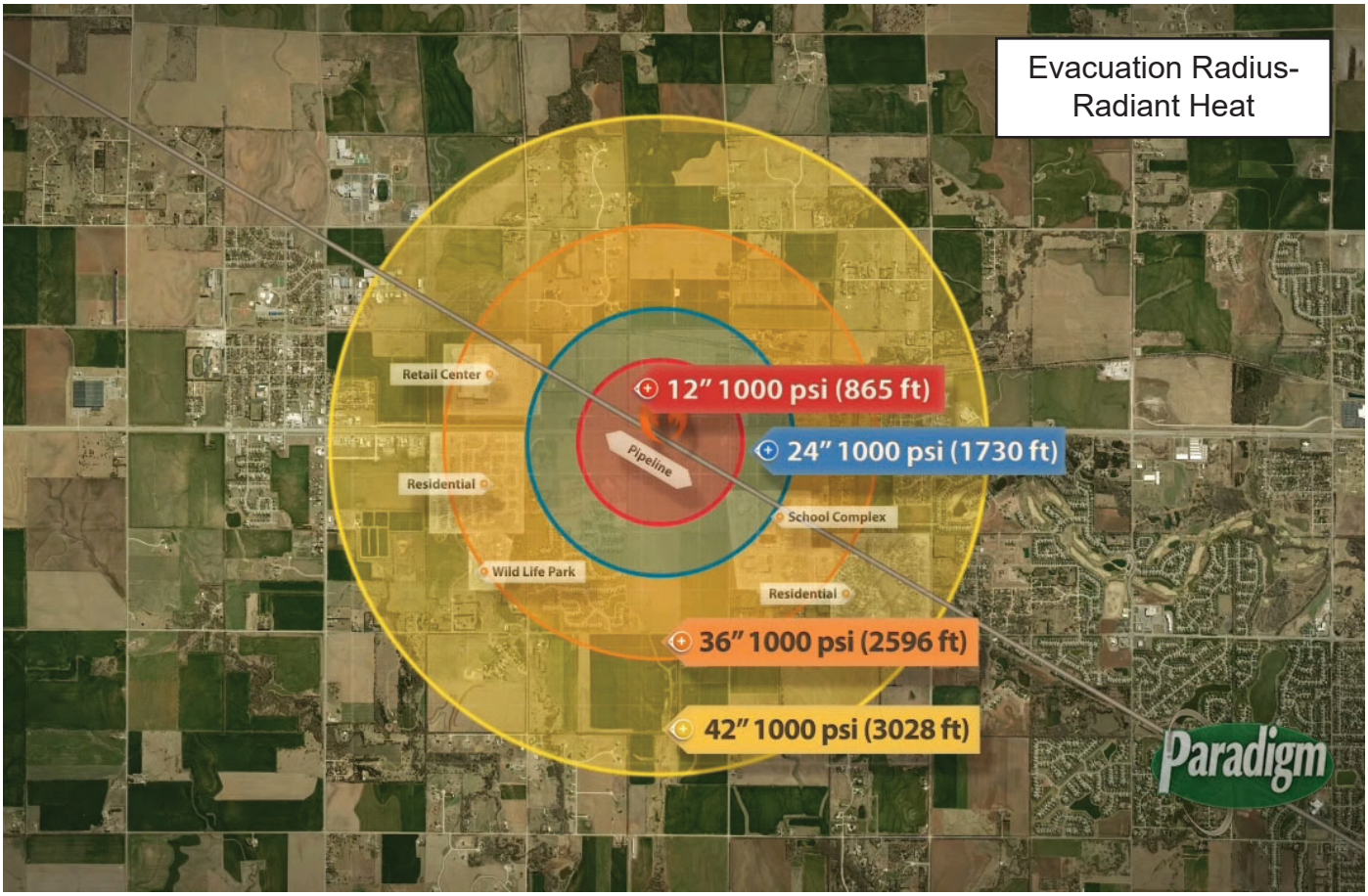
(a) General: Each operator shall prepare and follow for each pipeline system a manual of written procedures for conducting normal operations and maintenance activities and handling abnormal operations and emergencies. This manual shall be reviewed at intervals not exceeding 15 months, but at least once 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*


Hazard Area Radius
42" 1000 psi (916 ft)
36" 1000 psi (786 ft)
24" 1000 psi (524 ft)
12" 1000 psi (262 ft)
Pipeline
Retail Center
Residential
School Complex
Wild Life Park
Residential
Paradigm


Evacuation Radius-
Radiant Heat
12" 1000 psi (865 ft)
24" 1000 psi (1730 ft)
36" 1000 psi (2596 ft)
42" 1000 psi (3028 ft)
Pipeline
Retail Center
Residential
School Complex
Wild Life Park
Residential
Paradigm

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=PipelineEmergStnd)

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:

811

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.

Training Center

Supplemental training available for agencies and personnel that are unable to attend:

- Train as your schedule allows
- Download resources including pipeline operator specific information
  - Sponsoring pipeline operator contact information
  - Product(s) transported
- Submit Agency Capabilities Survey
- Receive Certificate of Completion

Visit https://trainingcenter.pdigm.com/ to register for training

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
https://www.nena.org/?

National Fire Protection Association (NFPA)
www.nfpa.org

National Pipeline Mapping System
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

Calling 811 is the most important step!

One easy call gets your utility lines marked and helps protect you from injury and expense. Whether you are planning to do it yourself or hire a professional, smart digging means calling 811 before each job.

Visit call811.com for more information

NORTH DAKOTA

North Dakota One-Call: 800-795-0555
Website: www.ndonecall.com
Hours: 24 hours
Advance Notice: Advance Notice: 48 hours excluding the day of the call (excluding weekends and holidays)
Marks Valid: 21 calendar days
Law Link:
http://primis.phmsa.dot.gov/comm/DamagePreventionSummary.htm

**Plowing, cultivating, planting, harvesting, and similar operations in connection with agricultural activities, unless any of these activities disturbs the soil to a depth of eighteen inches [45.72 centimeters] or more.*

***Gardening and landscaping unless it disturbs the soil to a depth of twelve inches [30.48 centimeters] or more.*

****Normal maintenance of roads and streets if the maintenance does not change the original grade and does not involve the road ditch.*

*****Normal repair and maintenance of track and track bed by a railroad on its own right-of-way.*

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	Y	Y	Y	N	Y ***	Y **	Y ****	Y *	Y **	N	Y	Y	N	N	24"

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 this page.***
- **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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