NOTICE: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed
\$100,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not
exceed \$1.000.000 as provided in 49 USC 60122.

Form Approved OMB NO: 2137-0522 Expires: 01/31/2014

U.S. Department of Transportation		NT REPORT –	Report Date
Safety Administration NATURAL AND OTHER GAS TRANSMISSION AND GATHERING PIPELINE SYSTEMS		No	
A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 10 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590. INSTRUCTIONS Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA.			
PART A – KEY REPORT INFORMATIO	N *Report Type:	(select all that apply)	Supplemental Final
*2. Name of Operator:	Address) ty)	<u></u>	
 *4. Local time (24-hr clock) and date of	the Incident: <u>/ / /</u> <u>/ / /</u> Day Year <u>/ / /</u>	 6. National Response Center Report of the second second	rt Number: e of initial telephonic report to the plicable): _/ //////// n Day Year
*8. Incident resulted from: Unintentional release of gas Intentional release of gas Reasons other than release of gas			
*9. Gas released: <i>(select only one, based on predominant volume released)</i> □ Natural Gas □ Propane Gas □ Synthetic Gas □ Hydrogen Gas □ Other Gas Name:			
*10. Estimated volume of gas released	unintentionally:	<u>/ / /,/ / / /Th</u>	ousand Cubic Feet (MCF)
11. Estimated volume of intentional and	d controlled release/blowdow	n: <u>/ / /,/ / / / Tho</u>	usand Cubic Feet (MCF)
12. Estimated volume of accompanying	liquid released:	<u>/ / /,/ / / Ba</u>	urrels

*13. Were there fatalities? O Yes O No If Yes, specify the number in each category:	*14. Were there injuries requiring inpatient hospitalization? O Yes O No If Yes, specify the number in each category:
*13.a Operator employees / / / / /	*14.a Operator employees / / / / /
*13.b Contractor employees working for the Operator //////	*14.b Contractor employees working for the Operator ///////
*13.c Non-Operator emergency responders //////	*14.c Non-Operator emergency responders //////
*13.d Workers working on the right-of-way, but NOT associated with this Operator / / / / /	*14.d Workers working on the right-of-way, but NOT associated with this Operator ////////////////////////////////////
*13.e General public / / / / /	*14.e General public //////
13.f Total fatalities (sum of above) / / / / / /	14.f Total injuries (sum of above) / / / / /
15. Was the pipeline/facility shut down due to the incident? O Yes O No ➡ Explain:	
If Yes, complete Questions 15.a and 15.b: (use local time, 24-	hr clock)
15.a Local time and date of shutdown ////Hour	<u>/ / / / / / /</u> Month Day Year
15.b Local time pipeline/facility restarted / / / / Hour	/ / / / / / / / O Still shut down* Month Day Year (*Supplemental Report required)
17. Did the gas explode? O Yes O No	
18. Number of general public evacuated: ////////////////////////////////////	<u> </u>
19. Time sequence: (use local time, 24-hour clock)	
19.a Local time operator identified Incident / / 19.b Local time operator resources arrived on site / / Ho Ho	/ / / / / pur Month Day Year / / / / / pur Month Day Year

PART B – ADDITIONAL LOCATION INFORMATION	
*1. Was the origin of the Incident onshore? O Yes (Complete Questions 2-12) O No (Complete	Questions 13-15)
If Onshore:	If Offshore:
*2. State: //_/	*13. Approximate water depth (ft.) at the point of the Incident:
*3. Zip Code: / / / / / / -/ / / /	<u> , </u>
4 5	*14. Origin of Incident:
City County or Parish	□ In State waters
6. Operator designated location: (select only one)	
☐ Milepost/Valve Station (specify in shaded area below)	Block/Tract #: / / / / /
☐ Survey Station No. <i>(specify in shaded area below)</i>	Nearest County/Parish:
	On the Outer Continental Shelf (OCS)
7. Pipeline/Facility name:	⇒ Specity: Area:
8. Segment name/ID:	Block #: ////
*9. Was Incident on Federal land, other than the Outer Continental	*15. Area of Incident: <i>(select only one)</i>
Shelf (OCS)? U Yes U No	Shoreline/Bank crossing or shore approach Below water, pipe buried or jetted below seabed
*10. Location of Incident: (select only one)	Below water, pipe on or above seabed
Operator-controlled property	□ Splash Zone of riser
Pipeline right-of-way	Portion of riser outside of Splash Zone, including riser bend
*11. Area of Incident (as found): (select only one)	
Belowground storage or aboveground storage vessel,	
□ Underground → Specify: O Under soil	
O Under a building O Under pavement	
O Exposed due to excavation	
O In underground enclosed space (e.g., vault)	
O Other	
Depth-of-Cover (in): $//, ////$	
O Typical aboveground facility piping or appurtenance	
O Overhead crossing	
O In or spanning an open ditch	
O Inside a building O Inside other enclosed space	
□ Transition Area → Specify: O Soil/air interface O Wall	
sleeve O Pipe support or other close contact area	
O Other	
*12. Did Incident occur in a crossing? O Yes O No	
If Yes, specify type below:	
□ Bridge crossing → Specify: O Cased O Uncased	
□ Cased □ Uncased □ Bored/drilled □ Road crossing → (select all that apply)	
O Cased O Uncased O Bored/drilled	
□ Water crossing	
⇒ Specify: O Cased O Uncased	
Name of body of water, if commonly known:	
Approx. water depth (ft) at the point of the Incident:	
(select only one of the following)	
O Shoreline/Bank crossing	
O Below water, pipe in bored/drilled crossing	
 Below water, pipe buried below bottom (NOT in bored/drilled crossina) 	
O Below water, pipe on or above bottom	

PART C - ADDITIONAL FACILITY II	NFORMATION			
*1. Is the pipeline or facility:				
Interstate				
Intrastate				
*2. Part of system involved in Incident Belowground Storage, Includi Aboveground Storage, Includi Onshore Compressor Station Onshore Regulator/Metering S Onshore Pipeline, Including V Offshore Platform, Including R	t: (select only one) ng Associated Equipment and F ing Associated Equipment and F Equipment and Piping Station Equipment and Piping 'alve Sites Platform-mounted Equipment an Riser and Riser Bend	Piping Piping nd Piping		
*2 How involved in leaderty (colort				
		1		
3.a Nominal diameter of pipe	(In): <u>/ / /./ / / /</u>			
3.b Wall thickness (In): /				
3.c SMYS (Specified Minimui	m Yield Strength) of pipe (psi):	/ / / /,/ /	<u> </u>	
3.d Pipe specification:				
*3.e Pipe Seam ⊨> Specify:	O Longitudinal ERW - High F	Frequency	O Single SAW	O Flash Welded
	O Longitudinal ERW - Low Fr	requency	O DSAW	O Continuous Welded
		Win Frequency		O Furnace Butt Welded
	O Lap Welded CKW C) Seamless	O Other	VV
3.f Pipe manufacturer:	•			
3.g Year of manufacture: /	<u> </u>			
*3.h Pipeline coating type at p	oint of Incident			
⇒ Specify:	O Fusion Bonded Epoxy C	Coal Tar	O Asphalt	O Polyolefin
	O Extruded Polyethylene C	Field Applied Epoxy	O Cold Applied Tape	O Paint
	O Composite C		O Other	
	$20 \text{ Ine } \subseteq \text{Specify: } \bigcirc \text{ Pipe Girth}$			
		O Gale O Plug		
	3 i Mainline valve manufactu	Irer.		
	3.j Year of manufacture: /	/ / / /		
O Relief Valve				
O Auxiliary or Othe	er Valve			
Compressor				
Separator/Separator Filter				
Strainer/Filter				
Dehydrator/Drier/Treater				
Regulator/Control Valve Drip/Drip Collection Device				
Pulsation Bottle				
Cooler				
Repair Sleeve or Clamp				
Hot Tap Equipment				
□ Relief Line				
Auxiliary Piping (e.g. drain line	es)			
	Cavora			
Onderground Gas Storage of Pressure Vessel	Cavelli			
□ Other				
4. Year item involved in Incident was	installed: / / / / /			

*5. Material involved in Incident: (select only one)	
Carbon Steel	
Plastic	
□ Material other than Carbon Steel or Plastic 🖒 *Specify:	
⁶ . Type of Incident involved: (<i>select only one</i>)	
□ Mechanical Puncture 🖒 Approx. size: /_/_/_/./_/in. (axial) by /_/_/_/./_/in. (circumferential)	
☐ Leak 🖒 Select Type: O Pinhole O Crack O Connection Failure O Seal or Packing	O Other
□ Rupture Select Orientation: O Circumferential O Longitudinal O Other	
Approx. size: //_/_//_/ in. (widest opening) by //_/_/_/_/_///in. (length circum	ferentially or axially)
□ Other 🖒 *Describe:	

PART D – ADDITIONAL CONSEQUENCE INFORMATION	
*1. Class Location of Incident: (select only one)	
L Class 1 Location	
Class 2 Location	
Class 3 Location	
Class 4 Location	
*2. Did this Incident occur in a High Consequence Area (HCA)? □ No	
\Box Yes \Rightarrow 2.a Specify the Method used to identify the HCA:	O Method 1 O Method 2
*3. What is the PIR (Potential Impact Radius) for the location of this Incide	ent? / /,/ / / / feet
*4. Were any structures outside the PIR impacted or otherwise damaged b	by heat/fire resulting from the Incident? O Yes O No
*5. Were any structures outside the PIR impacted or otherwise damaged I	NOT by heat/fire resulting from the Incident? O Yes O No
*6. Were any of the fatalities or injuries reported for persons located outsid	de the PIR? O Yes O No
*7. Estimated Descent: Demonstr	
7. Estimated Property Damage:	
7.a Estimated cost of public and non-Operator private property da	mage \$ <u>/ / / /,/ / /,/ / /</u>
*7.b Estimated cost of Operator's property damage & repairs	\$ <u>/ / / /,/ / /,/ / /</u>
*7.c Estimated cost of Operator's emergency response	\$ <u>/ / / /,/ / /,/ / /</u>
*7.d Estimated other costs	\$ <u>/ / / /,/ / /,/ / /</u>
Describe	
7.e Total estimated property damage (sum of above)	\$ <u>/ / / /,/ / /,/ / /</u>
Cost of Coo Delegand	
Cost of Gas Released	
*7.f Estimated cost of gas released unintentionally	\$ <u>/ / / /,/ / /,/ / /</u>
*7.g Estimated cost of gas released during intentional and controlled blowdown	\$ <u>/ / / /,/ / /,/ / /</u>
7.h Total estimated cost of gas released (sum of 7.f & 7.g above	:) \$ <u>//////////////</u>

PART E – ADDITIONAL OPERATING INFORMATION		
*1. Estimated pressure at the point and time of the Incident (psig):		
*2. Maximum Allowable Operating Pressure (MAOP) at the point and time of the Incident (psig):		
*3. Describe the pressure on the system or facility relating to the Incident: (select only one)		
Pressure did not exceed MAOP		
□ Pressure exceeded MAOP, but did not exceed 110% of MAOP		
□ Pressure exceeded 110% of MAOP		
*4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Incident operating under an established pressure restriction with pressure limits below those normally allowed by the MAOP ?		
\square No \square Xes \square (Complete 4 a and 4 b below)		
*4 a. Did the pressure exceed this established pressure restriction? \bigcirc Yes \bigcirc No		
*4 h Was this pressure restriction mandated by DLIMSA as the State?		
4.5 Was this pressure restriction mandated by PHMSA of the State? O PHMSA O State O Not mandated		
*5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2? □ No □ Yes (Complete 5.2 – 5.f below)		
5 a Type of upstream valve used to initially isolate release source: Ω Manual Ω Automatic Ω Remotely Controlled		
5.b Type of downstream valve used to initially isolate release source: O Manual O Automatic O Remotely Controlled		
O Check Valve		
5.c Length of segment isolated between valves (ft): / / / / / / / / /		
5.d Is the pipeline configured to accommodate internal inspection tools?		
□ No → Which physical features limit tool accommodation? (select all that apply)		
O Changes in line pipe diameter		
O Presence of unsuitable mainline valves		
O Other passage restrictions (i.e. unbarred tee's, projecting instrumentation, etc.)		
O Extra thick pipe wall (applicable only for magnetic flux leakage internal inspection tools)		
O Other	-	
5.e For this pipeline, are there operational factors which significantly complicate the execution of an internal inspection tool run?		
□ Yes → Which operational factors complicate execution? (select all that apply)		
O Excessive debris or scale, wax, or other wall build-up		
O Low operating pressure(s)		
O Low now of absence of now O incompatible commodity		
O Other	_	
5.f Function of pipeline system: (select only one)		
□ Transmission System □ Transmission Line of Distribution System		
Type A Gathering Type B Gathering		
Storage Gathering		

*6. Was a Superviso	bry Control and Data Acquisition (SCADA)-based system in place on the pipeline or facility involved in the Incident?
	*6.a Was it operating at the time of the Incident? O Yes O No
	*6.b Was it fully functional at the time of the Incident? O Yes O No
	*6.c Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume or pack calculations) assist with the detection of the Incident?
	*6.d Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Incident? O Yes O No
*7. How was the Inc	ident initially identified for the Operator? (select only one)
SCADA-bas	ed information (such as alarm(s), alert(s), event(s), and/or volume or pack calculations)
□ Static Shut-i	n Test or Other Pressure or Leak Test
Controller	Local Operating Personnel, including contractors
Air Patrol	Ground Patrol by Operator or its contractor
	rom Public LI Notification from Emergency Responder
	rom Third Party that caused the Incident LI Other
*7.a If "Controlle selected in Ques	er", "Local Operating Personnel, including contractors", "Air Patrol", or "Ground Patrol by Operator or its contractor" is stion 7, specify the following: (select only one)
	O Operator employee O Contractor working for the Operator
*8. Was an investiga Incident? (select Peport requ No, the (provide an	ation initiated into whether or not the controller(s) or control room issues were the cause of or a contributing factor to the ct only one) It the investigation of the control room and/or controller actions has not yet been completed by the operator (Supplemental <i>iired</i>) facility was not monitored by a controller(s) at the time of the Incident operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: <i>explanation for why the operator did not investigate</i>)
☐ Yes, sp O facto O othe	ecify investigation result(s): <i>(select all that apply)</i> Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator) and other ors associated with fatigue Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator) and r factors associated with fatigue <i>(provide an explanation for why not)</i>
0	Investigation identified no control room issues
0	Investigation identified no controller issues
0	Investigation identified incorrect controller action or controller error
0	Investigation identified that fatigue may have affected the controller(s) involved or impacted the involved controller(s)
resp	Unse Investigation identified incorrect procedures
0	Investigation identified incorrect control room equipment operation
Ő	Investigation identified maintenance activities that affected control room operations, procedures, and/or controller response
0	Investigation identified areas other than those above

PART F – DRUG & ALCOHOL TESTING INFORMATION	
*1. As a result of this Incident, were any Operator employees tested u Drug & Alcohol Testing regulations?	nder the post-accident drug and alcohol testing requirements of DOT's
O No	
O Yes	
*1.b Specify how many failed: / / /	
*2. As a result of this Incident, were any Operator contractor employee of DOT's Drug & Alcohol Testing regulations?	s tested under the post-accident drug and alcohol testing requirements
O No	
O Yes	
*2.b Specify how many failed: / / /	

Select only one box from PART G in the shaded column on the left representing the APPARENT Cause of the Incident, and answer the questions on the right. Describe secondary, contributing, or root causes of the Incident in the narrative (PART H).

G1 - Corrosion Failure – *only	one sub-cause can be picked from shaded left-hand column
External Corrosion	*1. Results of visual examination: O Localized Pitting O General Corrosion O Other
	*2. Type of corrosion: <i>(select all that apply)</i> O Galvanic O Atmospheric O Stray Current O Microbiological O Selective Seam O Other
	 *3. The type(s) of corrosion selected in Question 2 is based on the following: (select all that apply) O Field examination O Determined by metallurgical analysis O Other
	*4. Was the failed item buried under the ground? O Yes → *4.a Was failed item considered to be under cathodic protection at the time of the incident? O Yes → Year protection started: / / / / / / O No
	*4.b Was shielding, tenting, or disbonding of coating evident at the point of the incident? O Yes O No
	 *4.c Has one or more Cathodic Protection Survey been conducted at the point of the incident? O Yes, CP Annual Survey ⇒ Most recent year conducted: / / / / / O Yes, Close Interval Survey ⇒ Most recent year conducted: / / / / / O Yes, Other CP Survey ⇒ Most recent year conducted: / / / / / O No
	 O No ⇒ 4.d Was the failed item externally coated or painted? O Yes O No *5. Was there observable damage to the coating or paint in the vicinity of the corrosion? O Yes O No
☐ Internal Corrosion	*6. Results of visual examination: O Localized Pitting O General Corrosion O Not cut open O Other
	*7. Cause of corrosion: <i>(select all that apply)</i> O Corrosive Commodity O Water drop-out/Acid O Microbiological O Erosion O Other
	 *8. The cause(s) of corrosion selected in Question 7 is based on the following: (select all that apply) O Field examination O Determined by metallurgical analysis O Other
	*9. Location of corrosion: <i>(select all that apply)</i> O Low point in pipe O Elbow O Drop-out O Other
	*10. Was the gas/fluid treated with corrosion inhibitors or biocides? O Yes O No
	11. Was the interior coated or lined with protective coating? O Yes O No
	12. Were cleaning/dewatering pigs (or other operations) routinely utilized? O Not applicable - Not mainline pipe O Yes O No
	13. Were corrosion coupons routinely utilized? O Not applicable - Not mainline pipe O Yes O No

Complete the following if any Corrosion Failure sub-cause is selected AND the "Item Involved in Incident" (from PART C, Question 3) is Pipe or Weld.		
14. Has one or more internal inspection tool collected data at the point of the Incident? O Yes O No		
 14.a. If Yes, for each tool used, select typ Magnetic Flux Leakage Tool Ultrasonic Geometry Caliper Crack Hard Spot Combination Tool Transverse Field/Triaxial Other	<pre>be of internal inspection tool and indicate most recent year run:</pre>	
 16. Has one of more Direct Assessment been conducted on this segment? O Yes, and an investigative dig was conducted at the point of the Incident ⇒ Most recent year conducted: / / / / / O Yes, but the point of the Incident was not identified as a dig site ⇒ Most recent year conducted: / / / / / O No 17. Has one or more non-destructive examination been conducted at the point of the Incident since January 21, 2002? 		
17.a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted: O Radiography / / / / / O Guided Wave Ultrasonic / / / / O Handheld Ultrasonic Tool / / / / O Wet Magnetic Particle Test / / / / O Dry Magnetic Particle Test / / / / O Other / / / /		
G2 - Natural Force Damage - *only one sub-cause can be picked from shaded left-hand column		
Earth Movement, NOT due to Heavy Rains/Floods	*1. Specify: O Earthquake O Subsidence O Landslide O Other	
Heavy Rains/Floods	2. Specify: O Washout/Scouring O Flotation O Mudslide O Other	
	3. Specify: O Direct hit O Secondary impact such as resulting nearby fires	
Temperature	4. Specify: O Thermal Stress O Frost Heave O Frozen Components O Other	
☐ High Winds		
□ Other Natural Force Damage	*5. Describe:	
Complete the following if any Natural Force Damage sub-cause is selected. *6. Were the natural forces causing the Incident generated in conjunction with an extreme weather event? O Yes O No *6.a If Yes, specify: (select all that apply) O Hurricane O Tropical Storm O Tornado O Other		

G3 – Excavation Damage - *only one sub-cause can be picked from shaded left-hand column		
Excavation Damage by Operator (First Party)		
Excavation Damage by Operator's Contractor (Second Party)		
Excavation Damage by Third Party		
Previous Damage due to Excavation Activity	Complete Questions 1-5 ONLY IF the "Item Involved in Incident" (from PART C, Question 3) is Pipe or Weld.	
	 *1. Has one or more internal inspection tool collected data at the point of the Incident? O Yes O No 	
	1.a If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:	
	O Magnetic Flux Leakage / / / / / /	
	O Ultrasonic / / / / /	
	O Geometry / / / / /	
	O Caliper <u>/ / / / /</u>	
	O Crack / / / / /	
	O Hard Spot / / / / /	
	O Combination Tool	
	O Transverse Field/Triaxial / / / / /	
	O Other / / / / / /	
	2. Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained? O Yes O No	
	3. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Incident?	
	O Yes → Most recent year tested: / / / / / Test pressure (psig): / / / / / /	
	4. Has one or more Direct Assessment been conducted on the pipeline segment?	
	O Yes, and an investigative dig was conducted at the point of the Incident → Most recent year conducted: / / / / / /	
	O Yes, but the point of the Incident was not identified as a dig site	
	→ Most recent year conducted: / / / / /	
	O No	
	 5. Has one or more non-destructive examination been conducted at the point of the Incident since January 1, 2002? O Yes O No 	
	5.a If Yes, for each examination conducted since January 1, 2002, select type of non- destructive examination and indicate most recent year the examination was conducted:	
	O Radiography / / / / / /	
	O Guided Wave Ultrasonic / / / / / /	
	O Handheld Ultrasonic Tool	
	O Wet Magnetic Particle Test / / / /	
	O Dry Magnetic Particle Test / / / /	
	○ Other / / / / /	
Complete the following if Excavation Damage	by Third Party is selected as the sub-cause.	
*6. Did the operator get prior notification of the	excavation activity? O Yes O No	
*6.a If Yes, Notification received from: (se	elect all that apply) O One-Call System O Excavator O Contractor O Landowner	

Complete the following mandatory CGA-Dik I Program questions if any Excavation Damage sub-cau	ise is selected.
*7. Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)? OYes	O No
*8. Right-of-Way where event occurred: (select all that apply)	
Public 🖒 Specify: O City Street O State Highway O County Road O Interstate High	way O Other
□ Private 🖒 Specify: O Private Landowner O Private Business O Private Easement	
 Pipeline Property/Easement Power/Transmission Line Railroad Dedicated Public Utility Easement Federal Land Data not collected 	
Unknown/Other	
*9. Type of excavator: (select only one)	
O Contractor O County O Developer O Farmer O Municipality O Railroad O State O Utility O Data not collected	O Occupant O Unknown/Other
*10. Type of excavation equipment: (select only one)	
O AugerO Backhoe/TrackhoeO BoringO DrillingO ExplosivesO Farm EquipmentO Grader/ScraperO Hand ToolsO Probing DeviceO TrencherO Vacuum EquipmentO Data not collected	 O Directional Drilling O Milling Equipment O Unknown/Other
*11. Type of work performed: (select only one)	
O AgricultureO Cable TVO Curb/SidewalkO Building ConstructionO DrainageO DrivewayO ElectricO Engineering/SurveyingO GradingO IrrigationO LandscapingO Liquid PipelineO Natural GasO PoleO Public Transit AuthorityO Railroad MaintenanceO Sewer (Sanitary/Storm)O Site DevelopmentO SteamO Storm Drain/CulvertO TelecommunicationsO Traffic SignalO Traffic SignalO Water	 O Building Demolition O Fencing O Milling O Road Work O Street Light O Waterway Improvement
O Data not collected O Unknown/Other	
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: / / / / / / / / / / / / / / / / / / /	e-Call Center notified:
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: / / / / / / / / / / / / / / / / / / /	e-Call Center notified: lected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: / / / / / / / / / / / / / / / / / / /	le-Call Center notified: lected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: / / / / / / / / / / / / / / / / / / /	le-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: / / / / / / / / / / / / / / / / / / /	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: / / / / / / / / / / / / / / / / / / /	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other
 *12. Was the One-Call Center notified? O Yes O No *12.a If Yes, specify ticket number: ////////////////////////////////////	e-Call Center notified: lected O Unknown/Other lected O Unknown/Other collected O Unknown/Other llected O Unknown/Other

Description of the CGA-DIRT Root Cause (select only the one predominant first level CGA-DIRT Root Cause and then, where available a choice, the one predominant second level CGA-DIRT Root Cause as well):	
* <u>One-Call Notification Practices Not Sufficient:</u> (select only one)	
O No notification made to the One-Call Center	
O Notification to One-Call Center made, but not sufficient	
O Wrong information provided	
* <u>Locating Practices Not Sufficient:</u> (select only one)	
O Facility could not be found/located	
O Facility marking or location not sufficient	
O Facility was not located or marked	
O Incorrect facility records/maps	
* <u>Excavation Practices Not Sufficient:</u> (select only one)	
O Excavation practices not sufficient (other)	
O Failure to maintain clearance	
O Failure to maintain the marks	
O Failure to support exposed facilities	
O Failure to use hand tools where required	
O Failure to verify location by test-hole (pot-holing)	
O Improper backfilling	
One-Call Notification Center Error	
<u>Abandoned Facility</u>	
Deteriorated Facility	
<u>Previous Damage</u>	
Data Not Collected	
Other / None of the Above (explain)	

G4 - Other Outside Force Dar	nage - *only one sub-cause can be picked from	shaded left-hand column	
Nearby Industrial, Man-made, or Other Fire/Explosion as Primary Cause of Incident			
Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation	*1. Vehicle/Equipment operated by: <i>(select only</i> O Operator O Operator's Co	one) Ontractor O Third Party	
Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring	*2. Select one or more of the following IF an extr O Hurricane O Tropical Storr O Heavy Rains/Flood O Othe	reme weather event was a factor: n O Tornado r	
Routine or Normal Fishing or Other Maritime Activity NOT Engaged in Excavation			
Electrical Arcing from Other Equipment or Facility			
Previous Mechanical Damage NOT Related to Excavation	Complete Questions 3-7 ONLY IF the "Item Inv Question 3) is Pipe or Weld.	olved in Incident" (from PART C,	
	 Has one or more internal inspection tool collect O Yes O No 	ed data at the point of the Incident?	
	3.a If Yes, for each tool used, select type of recent year run:	internal inspection tool and indicate most	
	O Geometry		
	O Caliper		
	O Crack		
	O Hard Spot		
	O Combination Tool	<u>/ / / / /</u>	
	O Transverse Field/Triaxial	<u>/ / / / /</u>	
	O Other	<u>/ / / / /</u>	
	4. Do you have reason to believe that the international damage was sustained? O Yes O No	al inspection was completed BEFORE the	
	5. Has one or more hydrotest or other pressure te at the point of the Incident?	st been conducted since original construction	
	O Yes → Most recent year tested: Test pressure (psig):	<u> </u> , <u> </u>	
	O Yee and an investigative times	succed on the pipeline segment?	
	U Yes, and an investigative dig was conducted at the point of the Incident		
	O Yes, but the point of the Incident was n	ot identified as a dig site	
	⇔ Most recent year conducted	d: / / / / /	
	O No		
	(This section continued on next page with Quest	ion 7.)	

	 7. Has one or more non-destructive examination been conducted at the point of the Incident since January 1, 2002? O Yes O No 7.a If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted: 		
	O Radiography		
	O Guided Wave Ultrasonic / / / / /		
	O Handheld Ultrasonic Tool / / / / /		
	O Wet Magnetic Particle Test	<u>/ / / / /</u>	
	O Dry Magnetic Particle Test	<u>/ / / / /</u>	
	O Other		
☐ Intentional Damage	*8. Specify: O Vandalism O Theft of transported commodity O Other	O Terrorism O Theft of equipment	
□ Other Outside Force Damage	*9. Describe:		

G5 - Material Failure of Pipe	or Weld	Use this section to report material failures ONLY IF the "Item Involved in Incident" (from PART C, Question 3) is "Pipe" or "Weld."
		*Only one sub-cause can be picked from shaded left-hand column
1. The sub-cause selected below is based on t	he following: <i>(se</i> letallurgical Analys	elect all that apply) sis □ Other Analysis
	i Under investiga	lion (Supplemental Report required)
 Construction-, Installation-, or Fabrication-related Original Manufacturing-related (NOT girth weld or other welds formed in the field) 	*2. List contribu Fatigue- O Mer O Pre O The O Othe Mechanic O Other	uting factors: <i>(select all that apply)</i> or Vibration-related: chanically-induced prior to installation (such as during transport of pipe) chanical Vibration essure-related ermal her
Environmental Cracking-related	*3. Specify: C O Hydrogen St	O Stress Corrosion Cracking O Sulfide Stress Cracking tress Cracking O Other
Complete the following if any Material Failure	e of Pipe or Weld	d sub-cause is selected.
*4. Additional factors (<i>select all that apply</i>): C O Lamination O Buckle O Other	Dent O Gou O Wrinkle	uge O Pipe Bend O Arc Burn O Crack O Lack of Fusion O Misalignment O Burnt Steel
*5. Has one or more internal inspection tool co	llected data at the	e point of the Incident? O Yes O No
 *5.a If Yes, for each tool used, select type O Magnetic Flux Leakage Tool O Ultrasonic O Geometry O Caliper O Crack O Hard Spot O Combination Tool O Transverse Field/Triaxial O Other *6. Has one or more hydrotest or other pressure 	of internal inspec <u>/ / /</u> <u>/ / / / /</u> <u>/ / / / /</u> <u>/ / / / / / /</u> <u>/ / / / / / / / / / / / / / / / / / / </u>	tion tool and indicate most recent year run:
O Yes ⇒ *Most recent year tested: O No	<u>/ / / /</u>	/ *Test pressure (psig): / / /,/ / /
 *7. Has one or more Direct Assessment been on O Yes, and an investigative dig was control of Yes, but the point of the incident wat O No 	conducted on the onducted at the po as not identified a	pipeline segment? pint of the Incident → Most recent year conducted: / / / / / as a dig site → Most recent year conducted: / / / / /
*8. Has one or more non-destructive examinati O Yes O No	ion(s) been condu	ucted at the point of the Incident since January 1, 2002?
 *8.a If Yes, for each examination conducter year the examination was conducted: O Radiography O Guided Wave Ultrasonic O Handheld Ultrasonic Tool O Wet Magnetic Particle Test O Dry Magnetic Particle Test O Other 	d since January * // // //	1, 2002, select type of non-destructive examination and indicate most recent / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / /

G6 - Equipment Failure - *only one sub-cause can be picked from shaded left-hand column			
Malfunction of Control/Relief Equipment	*1. Specify: <i>(select all that apply)</i> O Control Valve O Instrumentation O SCADA O Communications O Block Valve O Check Valve O Relief Valve O Power Failure O Stopple/Control Fitting O Pressure Regulator O ESD System Failure O Other		
Compressor or Compressor-related Equipment	*2. Specify: O Seal/Packing Failure O Body Failure O Crack in Body O Appurtenance Failure O Pressure Vessel Failure O Other		
Threaded Connection/Coupling Failure	3. Specify: O Pipe Nipple O Valve Threads O Mechanical Coupling O Threaded Pipe Collar O Threaded Fitting O Other		
□ Non-threaded Connection Failure	*4. Specify: O O-Ring O Gasket O Seal (NOT compressor seal) or Packing O Other		
Defective or Loose Tubing or Fitting			
Failure of Equipment Body (except Compressor), Vessel Plate, or other Material			
☐ Other Equipment Failure	*5. Describe:		
Complete the following if any Equipment Fai	lure sub-cause is selected.		
*6. Additional factors that contributed to the ec O Excessive vibration	uipment failure: (select all that apply)		
O Overpressurization			
O No support or loss of support			
O Manufacturing defect			
O Loss of electricity			
O Improper installation			
O Breakdown of soft goods due to c	compatibility issues with transported gas/fluid		
O Valve vault or valve can contribut	ed to the release		
O Alarm/status failure			
O Misalignment			
O Thermal stress			
O Other			

G7 - Incorrect Operation - *only one sub-cause can be picked from shaded left-hand column			
Damage by Operator or Operator's Contractor NOT Related to Excavation and NOT due to Motorized Vehicle/Equipment Damage			
Underground Gas Storage, Pressure Vessel, or Cavern Allowed or Caused to Overpressure	*1. Specify: O Va O Mis O Otł	alve Misalignment scommunication ner	O Incorrect Reference Data/Calculation O Inadequate Monitoring
Valve Left or Placed in Wrong Position, but NOT Resulting in an Overpressure			
Pipeline or Equipment Overpressured			
Equipment Not Installed Properly			
Wrong Equipment Specified or Installed			
Other Incorrect Operation	*2. Describe:		
Complete the following if any Incorrect Operation sub-cause is selected. *3. Was this Incident related to: (select all that apply) Inadequate procedure No procedure established Failure to follow procedure Other: *4. What category type was the activity that caused the Incident: Construction Construction Construction Other maintenance Other maintenance Other maintenance Non-routine operating conditions (abnormal operations or emergencies) *5. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program? O Yes No *5. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program? O Yes No *5. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program? O Yes No *5. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program? O Yes No *5. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program? O Yes No *5. Was the task(s) they were qualified for the task(s) Q No, but they were performing the task(s) inder the direction and observation of a qualified individual O No, they were not qualifie			
G8 – Other Incident Cause - *only one sub-cause can be picked from shaded left-hand column			
Miscellaneous	*1. Describe:		
Unknown	*2. Specify:	O Investigation co O Still under inves (*Supplemental Re	mplete, cause of Incident unknown stigation, cause of Incident to be determined* sport required)

PART H – NARRATIVE DESCRIPTION OF THE INCIDENT	(Attach additional sheets as nec	essary)
*PART I - PREPARER AND AUTHORIZED SIGNATURE		
*Preparer's Name (type or print)		Preparer's Telephone Number
Preparer's Title (type or print)		
Preparer's E-mail Address		Preparer's Facsimile Number
Authorized Signature	*D_/	*Authorized Signature Telephone Muscher
Autionzeu Signature	Date	Autionzeu Signature Telephone Number
*Authorized Signature's Name (tupo or print)		
Manonzed Oignature s Manie (type of print)		
Authorized Signature's Title (type or print)		Authorized Signature's E-mail Address