NOTICE: This report is required by 49 CFR Part 195. 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.

OMB NO: 2137-0047

EXPIRATION DATE 3/31/2024

U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration

ACCIDENT REPORT - HAZARDOUS LIQUID AND CARBON DIOXIDE PIPELINE SYSTEMS

REPORT RECEIVED DATE Report Date REPORT_NUMBER SUPPLEMENTAL_NUMBER (DOT Use Only)

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 2137-0047. Public reporting for this collection of information is estimated to be approximately 12 hours per response, including the time for reviewing instructions, gathering the data needed.

and completing and reviewing the collection of infor regarding this burden estimate or any other aspect of the	mation. All responses to this collection of information are mandatory. Send comments his collection of information are mandatory. Send comments his collection of information, including suggestions for reducing this burden to: Information le Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.
INSTRUCTIONS	
information requested and provide specific one from the PHMSA Pipeline Safety Comm	nstructions for completing this form before you begin. They clarify the examples. If you do not have a copy of the instructions, you can obtain nunity Web Page at https://www.phmsa.dot.gov/pipeline/library/forms . eport Type: (select all that apply)
	REPORT_TYPE
A1. Operator's OPS-issued Operator Identification Nu A2. Name of Operator:auto-populated based of	mber (OPID): / / / / OPERATOR_ID
A3. Address of Operator:	
•	AATOR_STREET_ADDRESS
(Street Address) A3b auto-populated based on OPID OPER (City)	AATOR_CITY_NAME
A3c. State: auto-populated based on OPID / /	OPERATOR_STATE_ABBREVIATION
A3d. Zip Code: auto-populated based on OPID / /	/
A4. Earliest local time (24-hr clock) and date an accided LOCAL_DATETIME	//
A5. Location of Accident:	
	CATION_LATITUDE ATION_LONGITUDE
☐ Crude Oil COMMODITY_S ☐ Refined and/or Petroleum Product (non-HVL)	which is a Liquid at Ambient Conditions esel, Fuel Oil, Kerosene, Jet Fuel
 ☐ HVL or Other Flammable or Toxic Fluid which ☐ Anhydrous Ammonia ☐ LPG (Liquefied Petroleum Gas) / NGL (National Commodity) ☐ Other HVL ➡ Name: 	atural Gas Liquid)
☐ CO₂ (Carbon Dioxide)	
☐ Biofuel / Alternative Fuel (including ethanol ble	nds)
O Fuel Crade Ethanal	BLEND_DETAILS O Ethanol Blend \$\ \text{% Ethanol: } \frac{1}{2} \]
A7. Estimated volume of commodity released uninter	
A8. Estimated volume of intentional and/or controlled (only reported for HVL and CO ₂ C	·
A9. Estimated volume of commodity recovered	RECOVERED_BBLS / / / / , / / / / Barrels

A10. Were there fatalities? O Yes O No FATALITY_IND If Yes, specify the number in each category: A10a. Operator employees TI / / / /	A11. Were there injuries requiring inpatient hospitalization? O Yes O No If Yes, specify the number in each category: NUM_EMP_INJURIES A11a. Operator employees
A10b. Contractor employees NUM_CONTR_FATALITIES working for the Operator / / / / /	A11b. Contractor employees working for the Operator NUM_CONTR_INJURIES
A10c. Non-Operator NUM_ER_FATALITIES emergency responders / / / / /	A11c. Non-Operator NUM_ER_INJURIES emergency responders / / / /
A10d. Workers working on the right-of-way, but NOT NUM_WORKER_FATALITIES associated with this Operator / / / / / / / NUM_GP_FATALITIES A10e. General public FATAL A10f. Total fatalities (sum of above) calculated	A11d. Workers working on the right-of-way, but NOT associated with this Operator NUM_GP_INJURIES A11e. General public INJURE A11f. Total injuries (sum of above) Calculated

A12. formerly E8. What was the Operator's initial indication of the Failure? (select only one) ACCIDENT_IDENTIFIER
☐ CPM leak detection system
☐ SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations)
☐ Static Shut-in Test or Other Pressure or Leak Test
☐ Controller ☐ Local Operating Personnel, including contractors ☐ Air Patrol ☐ Ground Patrol by Operator or its contractor
☐ Notification from Public ☐ Notification from Emergency Responder
□ Notification from Third Party that caused the Accident □ Other ACCIDENT_DETAILS
A12a. formerly E8.a If "Controller", "Local Operating Personnel, including contractors", "Air Patrol", or "Ground Patrol by Operator or its contractor" is selected in Question 8, specify the following: (select only one) OPERATOR_TYPE
O Operator employee O Contractor working for the Operator INCIDENT IDENTIFIED DATETIME
A13. Formerly A18.a Local time Operator identified failure
SYSTEM_PART_INVOLVED Hour Month Day Year A14. formerly C2 Part of system involved in Accident: (select only one)
☐ Onshore Breakout Tank or Storage Vessel, Including Attached Appurtenances
☐ Onshore Terminal/Tank Farm Equipment and Piping
Onshore Equipment and Piping Associated with Belowground Storage
☐ Onshore Pump/Meter Station Equipment and Piping ☐ Onshore Pipeline, Including Valve Sites
☐ Offshore Platform/Deepwater Port, Including Platform-mounted Equipment and Piping
☐ Offshore Pipeline, Including Riser and Riser Bend
ON_OFF_SHORE
A15. formerly B1 Auto-populated based on A14 Was the origin of the Accident onshore? O Yes (Complete Questions B3-B12) O No (Complete Questions B13-B15)
STATUS WHEN IDENTIFIED
A16. Operational Status at time Operator identified failure (select only one)
O Post-Construction Commissioning
O Post-Maintenance/Repair O Routine Start-Up
O Routine Shutdown
O Normal Operation, include pauses between batches and during maintenance
O Idle
SHUTDOWN_DUE_ACCIDENT_IND A17. formerly A14. If Operational Status = Routine Start-Up or Normal Operation, was the pipeline/facility shut down due to the Accident? O Yes O No Explain: SHUTDOWN_EXPLAIN
If Yes, complete Questions A17.a and A17.b: <i>(use local time, 24-hr clock)</i> SHUTDOWN DATETIME
A17a. formerly A14.a Local time and date of shutdown / / / / / / / / / / / / / / / / /
Hour Month Day Year STILL_SHUTDOWN_IND
A17b. formerly A14.b Local time pipeline/facility restarted / / / / / / / / / / / / / O Still shut down*
Hour Month Day Year *Supplemental Report required
If A12 = Notification from Emergency Responder, skip A18.a through A18.c. COMMUNICATION_STATE_FED_IND A18a. Did the operator communicate with Local, State, or Federal Emergency Responders about the accident? O Yes O No
If No, skip A18b. and A18c PARTY_INITIATED_COMMUNICATION
A18b. Which party initiated communication about the accident? O Operator O Local/State/Federal Emergency Responder
A18c. Local time of initial Operator and Local/State/Federal Emergency Responder communication INITIAL_RESPONDER_COM_DATETIME
/ / / / / / / / / / / / / / / / / / /
ON_SITE_DATETIME A19. formerly A18.b Local time Operator responders arrived on site / / / / / / / / / / / / / / / / / / /
A19. formerly A18.b Local time Operator responders arrived on site / / / / / / / / / / / / / / / / / / /
A20. Local time of confirmed discovery
A21a. formerly A7. Local time <i>(24-hr clock)</i> and date of initial operator report to the National Response Center :
/ / / / / / / / / / / NRC_RPT_DATETIME Hour Month Day Year
NRC_RPT_NUM
A21b. formerly A6. Initial Operator National Response Center Report Number OR O NRC Notification Not Required OR
O NRC Notification Required But Not Made
ADDITIONAL_NRC_REPORT_NUMBERS
A21c. Additional NRC Report numbers submitted by the operator:
IGNITE_IND A22. formerly A15. Did the commodity ignite? O Yes O No If Yes, answer A22.a through d:

A22a. Local time of ignition / / / / / / / / / / / / / / / / IGNITE_DATETIME
Hour Month Day Year HOW EXTINGUISHED
A22b. How was the fire extinguished? HOW_EXTINGUISHED_OTHER_DETAIL
O Operator/Contractor O Local/State/Federal Emergency Responder O Allowed to burn out O Other, specify:
CONSUMED BY FIRE IN BARRELS
A22c. Estimated volume of commodity consumed by fire (barrels): (must be less than or equal to A7) EXPLODE IND
A22d. formerly A16. Did the commodity explode? O Yes O No
If A14. is "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend", answer A23a through f:
UPSTREAM_ACTION_TAKEN
A23a. Initial action taken to control flow upstream of failure location O Valve Closure O Operational Control - mandatory text field If Valve Closure, answer A23b and c: UPSTREAM VALVE CLOSE DATETIME
If Valve Closure, answer A23b and c: UPSTREAM_VALVE_CLOSE_DATETIME A23b. Local time of valve closure / / / / / / / / / / / / / / / / / / /
UPSTREAM VALVE TYPE IND Hour Month Day Year
A23c. formerly E5a Type of upstream valve used to initially isolate release source:
DOWNSTREAM_ACTION_TAKEN O Manual O Automatic O Remotely Controlled DOWNSTREAM_OPRINL_CNTRL_DETAIL A23d. Initial action taken to control flow downstream of failure location O Valve Closure O Operational Control - mandatory text field
A23d. Initial action taken to control flow downstream of failure location O Valve Closure O Operational Control - mandatory text field
If Valve Closure, answer A23.e and f: DOWNSTREAM_VLV_CLOSE_DATETIME
A23e. Local time of valve closure / <u>/////</u> / <u>///////////////////////////</u>
DOWNSTREAM_VALVE_TYPE_IND Hour Month Day Year A23f. formerly E5b Type of downstream valve used to initially isolate release source:
O Manual O Automatic O Remotely Controlled O Check Valve
·
If A6 = Crude Oil, Refined and/or Petroleum Product (non-HVL) which is a Liquid at Ambient Conditions, or Biofuel / Alternative Fuel (including
ethanol blends) AND A15. is Onshore, answer questions A24a and c: NOTIFY QUALIFIED INDIV IND A24a. Did the operator notify a "qualified individual" in the Onshore Oil Spill Response Plan? O Yes O No
If Yes, answer A24b. QUALIFIED_INDIV_NOTIF_DATETIME
A24b. Local time the "qualified individual" was notified. / / / / / / / / / / / / / / /
Hour Month Day Year
OIL_SPILL_REMOVAL_ORG_IND
A24c. Did the operator activate an Oil Spill Removal Organization (OSRO)? O Yes O No If Yes, answer A24d and e: OSRO ACTIVATED DATETIME
OSRO_ACTIVATED_DATETIME A24d. Local time operator activated OSRO OSRO
OSRO_ARRIVED_ON_SITE_DT Hour Month Day Year
A24e. Local time OSRO arrived on site
Hour Month Day Year NUM PUB EVACUATED
A25. formerly A17. Number of general public evacuated: / / / / / / / /

PART B – ADDITIONAL LOCATION INFORMATION	
B1. formerly B7. Pipeline/Facility name: PIPE_FAC_NAME	
B2. formerly B8. Segment name/ID: SEGMENT_NAME	
If Onshore: ONSHORE_STATE_ABBREVIATION B3. State: / / ONSHORE_POSTAL_CODE B4. Zip Code: / / / / / - / / / / /	
B5. ONSHORE_CITY_NAME B6. ONSHORE_COUNTY_NAME	
City County or Parish DESIGNATED_LOCATION B7. Operator-designated location: (select only one) Milepost (specify in shaded area below)	
B8 / / / / / / / / / / / / / / / Survey Station No. (specify in snaded area below)	
B9. Was this onshore Accident on Federal land? O Yes O No	
B10. Location of Accident: (select only one) LOCATION_TYPE	
 □ Totally contained on Operator-controlled property □ Originated on Operator-controlled property, but then flowed or migrated off the property 	
B11. Area of Accident (as found): (select only one) INCIDENT_AREA_TYPE	
☐ Tank, including attached appurtenances INCIDENT_AREA_SUBTYPE	
☐ Underground ➡ Specify: O Under soil O Under a building O Under pavement O Exposed due to excavation O Exposed due to loss of cover O In underground enclosed space (e.g., vault) O Other INCIDENT_AREA_DETAILS	
B11a. Depth-of-Cover (in): //,// / OR_O <u>Unknown</u>	
☐ Aboveground ➡ Specify: O Typical aboveground facility piping or appurtenance O Overhead crossing O Inside a building O In or spanning an open ditch O Inside other enclosed space O Other	
Transition Area ⇒ Specify: O Soil/air interface O Wall sleeve O Pipe support or other close contact area O Other CROSSING B12. Did the Accident occur in a crossing?: O Yes O No If B12 is Yes, specify type: B12. Did the Accident occur in a crossing?: O Yes O No If B12 is Yes, specify type:	
 □ Bridge crossing Specify: O Cased O Uncased □ Railroad crossing (select all that apply) O Cased □ Road crossing (select all that apply) O Cased □ Uncased □ Bridge Type □ Bridge CrossinG IND BRIDGE TYPE □ O Uncased □ O Bored/drilled ROAD CROSSING IND ROAD TYPE □ Water crossing 	
Specify: O Cased O Uncased WATER_CROSSING_IND WATER_CROSSING_TYPE Name of body of water, if commonly known: WATER_NAME WATER_PERTU	
Approx. water depth (ft) at the point of the Accident: /_ /, / OR O Unknown (select only one of the following) O Shoreline/Bank/Marsh crossing WATER_SUBTYPE O Below water, pipe buried below bottom (NOT in bored/drilled crossing) O Below water, pipe in bored/drilled crossing O Below water, pipe on or above bottom	
Is this water crossing 100 feet or more in length from high water mark to high water mark? O Yes O No	
If Offshore: OFF WATER DEPTH	
B13. Approximate water depth (ft.) at the point of the Accident: / / /,/ / / / OFF_ACCIDENT_ORIGIN B14. Origin of Accident: In State waters	
OFFSHORE_STATE_ABBREVIATION OFF_INSTATE_AREA OFF_INSTATE_BLOCK OFFSHORE_COUNTY_NAME Specify: State: Block/Tract #: / / / / Nearest County/Parish:	
OCS_TYPE On the Outer Continental Shelf (OCS) (select only one) O OCS – Alaska O OCS- Atlantic	
Specify: Area: OFF OCS AREA Block/Tract #: / / / / / OCS-Gulf of Mexico OCS – Pacific	
B15. Area of Accident: (select only one) OFF_AREA_ACCIDENT_TYPE	
☐ Shoreline/Bank/Marsh crossing or shore approach	
 ☐ Below water, pipe buried or jetted below seabed ☐ Below water, pipe on or above seabed 	
☐ Splash Zone of riser	
 □ Portion of riser outside of Splash Zone, including riser bend □ Platform 	

PART C - ADDITIONAL FACILITY INFORMATION	
C1. Is the pipeline or facility: PIPE_FACILITY_TYPE	
☐ Interstate ☐ Intrastate	
C2. reserved	
C3. Item involved in Accident: (select only one) DETAILS □ Pipe ⇒ Specify: ○ Pipe Body ○ Pipe Seam	
PUDDLE_WELD_IND If Pipe Body: Was this a puddle/spot weld? O Yes O No PIPE DIAMETER	PIPE WALL THICKNESS
C3a. Nominal Pipe Size: / / / // /	C3.b Wall thickness (in): / /./ / /
C3c. SMYS (Specified Minimum Yield Strength) of pipe (psi):	PIPE_SMYS
C3d. Pipe specification: PIPE_SPECIFICATION	OR O Unknown
PIPE_SEAM_TYPE C3e. Pipe Seam ⇒ Specify: O ERW - High Frequency O	Single SAW O Flash Welded
O ERW - Low Frequency O DSAW O Continuous Welded O Lo	ngitudinal ERW – Unknown Frequency
O Furnace Butt Welded O Spiral Welded O Lap Welded O Sear O Other, describe: PIPE_SEAM_DETAILS	mless
C3f. Pipe manufacturer: PIPE_MANUFACTURER	OR O Unknown
PIPE_COATING_TYPE	
C3g formerly C3.h Pipeline coating type at point of Accident	Cool Tar Apphalt Applyalatin A Fytyydad Balyathylana
O Epoxy other than FBE O Cold Applied Tape O Paint O Compos COATING_APPLIED_IND	O Coal Tar O Asphalt O Polyolefin O Extruded Polyethylene site O None O Other, describe: PIPE_COATING_DETAILS
C3h. Coating field applied? O Yes O No O Unknow	/n D DETAILS
☐ Weld, including heat-affected zone ⇒ Specify: ○ Pipe Girth	Weld O Other Butt Weld O Fillet Weld
If Pipe Girth Weld is selected, complete items C3a through h about girth weld? O Yes O No DIFFERENT_GIRTH_WELD_IND	ve. Are any of the C3b though h values different on either side of the
If Yes, enter the different value(s) below:	
C3i. Wall thickness (in): / /./ / / DIFF_GIRTI	H_WELD_WALL_THICKNESS
C3j. SMYS (Specified Minimum Yield Strength) of pipe (psi):	/ / / /,/ / DIFF_GIRTH_WELD_SMYS
C3k. Pipe specification: DIFF_GIRTH_WELD_SPECIFICATIO DIFF_GIRTH_WELD_SEAM_TYPE	N OR O Unknown
C3l. Pipe Seam ⇒ Specify: O ERW - High Frequency O S	- -
O ERW - Low Frequency O DSAW O Continuous Welded O E O Furnace Butt Welded O Spiral Welded O Lap Welded O Sea	
O Other, describe: DIFF_GIRTH_WELD_SEAM_DETAIL	111000
C3m. Pipe manufacturer: DIFF_GIRTH_WELD_MANUFACT	URER OR O Unknown
C3n. Pipeline coating type at point of Accident DIFF_GIRTH_	WELD_COATING_TYPE
⇒ Specify: O Fusion Bonded Epoxy (FBE) C	Coal Tar O Asphalt O Polyolefin O Extruded Polyethylene DIFF GIRTH WELD COATING DETAIL site O None O Other, describe:
O Epoxy other than FBE O Cold Applied Tape O Paint O Compos	site O None O Other, describe:
C3o. Coating field applied? O Yes O No O Unknow VALVE_TYPE VALVE_MAINLINE_TYPE	/n VALVE_MAINLINE_DETAILS
☐ Valve ☐ O Mainline ➡ Specify: ☐ Butterfly ☐ Check	O Gate O Plug O Ball O Globe O Other, describe:
C3p. formerly C3.i Mainline valve m	anufacturer: VALVE_MANUFACTURER OR O Unknown
	Report tank relief valves under the Tank/Vessel, Relief Valve
O Auxiliary or Other Valve – report auxiliary valves Pump, including auxiliary piping, connections, and equipment	
C3q. Type of pump PUMP_TYPE	, but oxoldding product drain inless and tabling.
Υ Positive displacement Υ Centrifugal	
Y Gear	
Y Other (specify): PUMP_TYPE_DETAILS C3r. Type of service PUMP_SERVICE_TYPE	
Υ Mainline	
Υ Injection Υ Truck rack (if on terminal side of truck rack canopy)	
Y Other (specify): PUMP_SERVICE_TYPE_DETAILS	
Motor/Prover including qualities arising connections and are	inment, but evaluding product drain lines, and tubing
☐ Meter/Prover, including auxiliary piping, connections, and equ☐ Scraper/Pig Trap, including auxiliary piping, connections, and	
☐ Sump, including auxiliary piping, connections, and equipment,	

☐ Filter, Strainer, Separator, including auxiliary piping, connections, and equipment, but excluding product drain lines and tubing.
Repair Sleeve or Clamp
☐ Tapping Equipment
☐ Tap Fitting (stopple, thread-o-ring, weld-o-let, etc.)
☐ Flange Assembly, including Gaskets
☐ Relief Lines and Relief Equipment ☐ Drain Lines
☐ Tubing, including Fittings C3s. Tubing material TUBING_MATERIAL
Y Stainless steel
Y Carbon steel
Y Copper
Y Other
C3t. Type of tubing TUBING_TYPE Y Rigid
Υ Flexible
☐ Instrumentation, including Programmable Logic Controllers and Controls
☐ Tank/Vessel ⇒ C3u. Specify: O Single Bottom System O Double Bottom System O Tank Shell O Chime O Roof/Roof Seal
TANK_VESSEL_SUBTYPE O Roof Drain System O Mixer O Pressure Vessel Head or Wall O Appurtenance
O Relief Valve O Other, describe: TANK_VESSEL_DETAILS
C3v. formerly part of C2. Tank Type O Atmospheric O Pressurized
If C3v. = Pressurized: TANK_TYPE
C3v1. Tank Maximum Operating Pressure TANK_MAX_PRESSURE
C3v2. What is the set point of the primary pressure relief device on the tank? TANK_SET_POINT_RELIEF_DEVICE
C3v3. Did the thermal or pressure relief valve activate? O Yes O No TANK_RELIEF_VALVE_ACTVTD_IND
C3v4. Was the MOP of the tank exceeded? O Yes O No TANK_MOP_EXCEEDED_IND
If C3v = Atmospheric or Low Pressure: C3v5_Safe-Fill-I evel (in feet) at the time of the accident? SAFE_FILL_LEVEL
C3v5. Safe-Fill-Level (in feet) at the time of the accident? C3v6. Was the Safe-Fill-Level exceeded? Of Service YEAR C3v7. formerly G1, 14 a Year of most recent API Std 653 Out-of-Service Inspection / / / / / / / OR O None
C3v7 formerly G1 14 a Year of most recent API Std 653 Out-of-Service Inspection / / / / OR O None
C3v8. formerly G1, 14.b-API Std 653 In-Service Inspection / / / / OR O No In-Service Inspection completed
API STD NO IN SERVICE IND
☐ Othermandatory text field <u>ITEM_INVOLVED_DETAILS</u> INSTALLATION_YEAR
C4. Year item involved in Acciden t was installed: / <u>/////OR</u> O <u>Unknown</u>
MANUFACTURED YEAR
MANUTACTURED TEAM CAS Vegr item involved in Accident was manufactured: / / / / OR O Unknown
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown
C4a. Year item involved in Accident was manufactured: / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED
C4a. Year item involved in Accident was manufactured: / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED Carbon Steel
C4a. Year item involved in Accident was manufactured: / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ⇒ Specify: MATERIAL_DETAILS RELEASE TYPE
C4a. Year item involved in Accident was manufactured: / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ⇒ Specify: MATERIAL_DETAILS RELEASE TYPE
C4a. Year item involved in Accident was manufactured: / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ➡ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) PUNCTURE_AXIAL PUNCTURE_CIRCUM □ Mackapical Puncture ➡ Approx size of the first of the puncture of the punct
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ⇒ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) PUNCTURE AXIAL PUNCTURE CIRCUM □ Mechanical Puncture ⇒ Approx. size: / / / - / / / / in. (axial) by / / / / / / / / / / / in. (circumferential) LEAK_TYPE_OTHER
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ➡ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) □ Mechanical Puncture ➡ Approx. size: / / / / / / / / / / / / / / / / / / /
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ⇒ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) PUNCTURE AXIAL PUNCTURE CIRCUM □ Mechanical Puncture ⇒ Approx. size: / / / / / / / / / / / / / / / / / / /
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ⇒ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) □ Mechanical Puncture ⇒ Approx. size: / / / / / / / / / / / / / / / / / / /
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ➡ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) □ Mechanical Puncture ➡ Approx. size: / / / / / / / / / / / / / / / / / / /
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ⇒ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) □ Mechanical Puncture ⇒ Approx. size: / / / / / / / / / / / / / / / / / / /
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ➡ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) □ Mechanical Puncture ➡ Approx. size: / / / / / / / / / / / / / / / / / / /
C4a. Year item involved in Accident was manufactured:
C4a. Year item involved in Accident was manufactured: / / / / OR O Unknown C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED □ Carbon Steel □ Material other than Carbon Steel ➡ Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) □ Mechanical Puncture ➡ Approx. size: / / / / / / / / / / / / / / / / / / /
C4a. Year item involved in Accident was manufactured:
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED Carbon Steel Material other than Carbon Steel Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) PUNCTURE AXIAL Mechanical Puncture Approx. size: / / / / / / / / / / / / / / / / / / /
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED Carbon Steel Material other than Carbon Steel Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) PUNCTURE AXIAL PUNCTURE CIRCUM Mechanical Puncture Approx. size: / / / / / / / / / / / / / / / / / / /
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED Carbon Steel Material other than Carbon Steel Specify: MATERIAL_DETAILS RELEASE_TYPE C6. Type of Accident involved: (select only one) PUNCTURE AXIAL Mechanical Puncture Approx. size: / / / / / / / / / / / / / / / / / / /
C4a. Year item involved in Accident was manufactured:
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED Carbon Steel
C5. Material involved in Accident: (select only one) MATERIAL_INVOLVED Carbon Steel
C4a. Year item involved in Accident was manufactured:
C4a, Year item involved in Accident was manufactured:
C4a, Year item involved in Accident was manufactured:
C4a_ Year item involved in Accident was manufactured:
C4a. Year item involved in Accident was manufactured:
C4a_ Year item involved in Accident was manufactured:
C4a_ Year item involved in Accident was manufactured:

☐ Surface SURFACE_CONTAM_IND
Groundwater GROUNDWATER_CONTAM_IND ORINKING WATER CONTAM_IND PRIVATE WELL CONTAM_IND PURLIC WATER CONTAM_IND
☐ Grounidwater
D5b. Estimated amount released in or reaching water: <u>/ / / / / / / / / / / / / / Barrels</u>
D5c. Name of body of water, if commonly known: REL_WATER_NAME
COULD BE HCA
D6. At the location of this Accident, had the pipeline segment or facility been identified as one that "could affect" a High Consequence Area
(HCA) as determined in the Operator's Integrity Management Program? O Yes O No
COMMODITY_REACHED_HCA D7. Did the released commodity reach or occur in one or more High Consequence Area (HCA)? O Yes O No
D7a. If Yes, specify HCA type(s): (select all that apply)
Commercially Navigable Waterway COMMERCIALLY_NAV_IND Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?
O Yes O No COMMERCIALLY_NAV_YES_NO
☐ High Population Area HIGH POP IND
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?
O Yes O No HIGH_POP_YES_NO
☐ Other Populated Area OTHER POP IND
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?
O Yes O No OTHER_POP_YES_NO
☐ Unusually Sensitive Area (USA) – Drinking Water USA_DRINKING_IND
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program? O Yes O No. USA_DRINKING_YES_NO
O Yes O No USA_DRINKING_YES_NO
☐ Unusually Sensitive Area (USA) – Ecological USA_ECOLOGICAL_IND
Mae this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?
Was this HCA identified in the "could affect" determination for this Accident site in the Operator's Integrity Management Program?
O Yes O No USA_ECOLOGICAL_YES_NO
O Yes O No USA_ECOLOGICAL_YES_NO
O Yes O No USA_ECOLOGICAL_YES_NO D8. Estimated Property Damage: EST_COST_OPER_PAID
O Yes O No USA_ECOLOGICAL_YES_NO D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / /
O Yes O No USA_ECOLOGICAL_YES_NO D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / / / D8b. Estimated cost of commodity lost
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / / / / / D8b. Estimated cost of commodity lost EST_COST_GAS_RELEASED \$ / / / / / / / / / / / / / / / / / /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / / / / / /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ \(\frac{1}{2} \) \(\frac{1}{2}
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / / / / / /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / / / / / /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ / / / / / / / / / / / / / / / / / /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ /
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$
D8. Estimated Property Damage: D8a. Estimated cost of public and non-Operator private property damage \$ /

PART E – ADDITIONAL OPERATING INFORMATION

E1. Estimated pressure at the point and time of the Accident (psig): ACCIDENT_PSIG / / /,/ / /
If C3. Is Tank/Vessel and C3v. is Atmospheric, do not answer E2. and E3. E2. Maximum Operating Pressure (MOP) at the point and time of the Accident (psig): / / //,/ / /
E2a. Limiting factor establishing MOP (select only one): MOP CFR SECTION
O Internal Design Pressure §195.406(a)(1)
O Component Design Pressure §195.406(a)(2)
O SubPart E Pressure Test §195.406(a)(3)
O Excepted Component Pressure Test §195.406(a)(4)
O Four Hour Test or Operation §195.406(a)(5) O Other; describe: MOP_CFR_SECTION_DETAILS
E2b. Date MOP established MAOP_ESTABLISHED_DATE MAOP_REVERSAL_FLOW_IND
E2c. Was the MOP established in conjunction with a reversal of flow direction? O Yes O No O Bi-Directional
If E2c = Yes, E2d. What is the date of the most recent surge analysis performed at the point of the Accident? SURGE_ANALYSIS_DATE
E3. Describe the pressure on the system or facility relating to the Accident: (calculated) ACCIDENT_PRESSURE
☐ Pressure did not exceed MOP
Pressure exceeded MOP, but did not exceed 110% of MOP
☐ Pressure exceeded 110% of MOP PRESSURE RESTRICTION IND
E4. Was the system or facility relating to the Accident operating under an established pressure restriction with pressure limits below those normall allowed by the MOP?
□ No
☐ Yes ➡ (Complete 4.a and 4.b below) EXCEED RESTRICTION IND
E4a. Did the pressure exceed this established pressure restriction? O Yes O No
PHMSA_RESTRICTION_IND E4b. Was this pressure restriction mandated by PHMSA or the State? O PHMSA O State O Not mandated
245. Was this pressure restriction mandated by Frinte-North State.
If A14. is "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend", complete E5 through E7 LENGTH_SEGMENT_ISOLATED E5. formerly E5.c Answer E5 only when both A23a and A23d are Valve Closure
Length of segment initially isolated between valves (ft): / / / / INTERNAL INSPECTION IND
E6. formerly E5.d Is the pipeline configured to accommodate internal inspection tools?
☐ Yes
□ No ⇒ Which physical features limit tool accommodation? (select all that apply)
O Changes in line pipe diameter DIAMETER_CHANGE_IND
O Presence of unsuitable mainline valves <u>UNSUITABLE_MAINLINE_IND</u>
O Tight or mitered pipe bends TIGHT_MITERED_IND OTHER_RESTRICTIONS_IND
Other passage restrictions (i.e. unbarred tee's, projecting instrumentation, etc.) EXTRA THICK WALL IND
O Extra thick pipe wall (applicable only for magnetic flux leakage internal inspection tools) O Other Describe: OTHER_INSPECTION_IND INTERNAL_INSPECTION_DETAILS
C Carlot V Boodhise.
OPERATION_COMPLICATIONS_IND E7. formerly E5.e For this pipeline, are there operational factors which significantly complicate the execution of an internal inspection tool run?
∐ No
☐ Yes ➡ Which operational factors complicate execution? (select all that apply)
O Excessive debris or scale, wax, or other wall build-up EXCESS_DEBRIS_IND
O Low operating pressure(s) LOW_OP_PRESSURE_IND O Low flow or absence of flow LOW_FLOW_IND
O Incompatible commodity INCOMPAT_COMMOD_IND
O Other Describe OTHER COMPLICATIONS IND INSPECT COMP DETAILS
PIPELINE_FUNCTION
E8. formerly E5.f Function of pipeline system: (select only one) □ > 20% SMYS Regulated Transmission □ > 20% SMYS Regulated Gathering
\square > 20% SMYS Regulated Transmission \square > 20% SMYS Regulated Gathering \square ≤ 20% SMYS Regulated Transmission \square ≤ 20% SMYS Regulated Gathering
L = 20 % SWITO Regulated Transmission L = 20 % SWITO Regulated Gathering

E9. Was a Su	upervisory		ntro ADA						sitic	on ((SC	CAE)A)-	bas	sed	sys	tem	ı in	pla	се	on t	he	pipe	elin	e oı	· fa	cili	ity	nvo	olve	ed	in	th	e A	ccic	lent	?		
☐ Yes	⇒ E9	∂a. V	Nas	it o	per	atir	ng a	t th	e ti	ime	e o	f the	e Ac	cid	en	t?				0	Υe	s		0	No		SC	ΑI	A_	OP:	EF	RA	TI	NG_	INI)			
	E9	}b. \	Was	it fu	lly f	func	ctior	nal :	at t	the	e tir	ne c	of th	e A	Acc	iden	t?			0	Υe	s		0	No	5	SC.	AD	A_I	FUN	NC	TI	OI	NAL	_IN	D			
			oid S tion o													rm(s N_IN		ler	(s),	eve	٠,	,.		l/or O		um	e (cal	cula	atio	ns	s) a	ass	sist	with	the	e ini	tial	
			Did S med									•	ch a			rm(s .DA	, .		٠,,		ent(· '.'	and Ye		vol		ie (cula	atic	ns	s)	as	sist	with	n the	Э		
СРМ	IN_PLAC			2100	010	<i>.</i> , ,	0	,			J	•					•		_			Ū		•		Ŭ		••											
E10. Was a C				n sy	/ste	m i	n pl	ace	10 9	n th	he	pipe	eline	or	fa	cility	inv	olv	ed	n th	e A	cci	der	ıt?															
☐ No																																							
☐ Yes	□ > E1	0a.	Was	s it	ope	erat	ing	at t	he	tim	ne (of th	ne A	cci	de	nt?) Y	'es			N C	0	C	PM	_0	PE	RA	AT.	IN	G_II	ND				
	E1	10b.	Wa	s it f	ully	/ fur	nctio	ona	l at	t th	ne t	ime	of t	he	Ac	cide	nt?) Y	'es			N C	0	C	PN	_F	UN	CT	ΓIC	ON	AL_	INI)			
			Did (ie ini							•						•				,	,.		٠,		_	(s) O N		nd	or v	vol	um	ne	ca	lcul	atic	ns)	ass	sist	
			Did e co							•					tio	n (su CPI				,	, .	_	t(s) Ye		ent	(s)			or '	vol	un	ne	ca	ılcu	atio	ns)	ass	sist	
E11. Was an i																		itro	l ro	om i	issı	ıes	we	re t	he	cau	ıse	е о	f or	а	col	L;(Ο0	.L/n	trib	utin	g		
	Yes, but tl		•			•	,							_				ctio	ns	has	no	t ve	t be	een	СО	mp	let	ed	by	the	e C)p	era	tor	(Su	lqqı	eme	ental	
Repo	ort require	ed)		-																		-				Ċ			,			•			•				
	No, the fa	-																																					
	No, the O _l ide an ex INVEST	xplar	natio	n fo	r wl	hv t	the (Ope	era	itor							rolle	er(s	s) a	ction	ns c	or co	onti	ol r	oor	n is	SSL	ies	wa	ıs r	ne	ce	SS	ary	due	to:			
□ Y	es, speci	ify ir	ıves	tiga	tion	res	 sult(s):	(Si	ele	ect	all ti	hat	app	oly)]	INV	ES	T S	CHI	EDU	JLE		ID															
	O In								k s	cho	edı	ıle r	ota	tion	ıs,										hile	wo	ork	inç	foi	r th	е	O	per	ato	r) a	nd c	the	r	
	factors						•									EDUI							,			,								_					
	O In																					urs	ot s	ser	/ice	(W	hil	e١	vorl	KIN	g t	or	· th	e O	per	ator) ar	ıd	
]	NV.	EST	[_N	O_S	СН	ED	UI	LE_	INI	D _ D	ETA	AII	S																							-
	O In	ıves	tigati	on	der	 ntific	ed r	10 C	on	tro	l rc	om	issı	ues	;]	NVI	EST	N) C	ON'	TRO	OL	RO	ON	1 IN	ND													-
	O In	rvest	tigati	ion i	ider	ntifie	ed n	о с	on	tro	ller	iss	ues]	INV	EST	_N	0_	CO	ITR	OL	LEI	R_II	ND															
	O In	ivest	tigati	on i	der	ntifie	ed ir	nco	rre	ct	cor	ntro	ler a	acti	ion	or c	ont	rol	er e	rror	I	NV	EST	_I	NCC	RF	RE	CT	_A(CTI	[O]	N_	IN	D					
	respon	nse	tigati IN	VE:	ST_	FA	TIG	UE	IN	۱Ď		•									`	,				•			d th	e i	nv	ol	ve	d co	ntro	ller	(s)		
			tigat																																				
			tigat																																	la			
	re	esno	tigat onse	T	NVI	EST	ſ M.	ATN	T	IN	D												•			′'				•									
	O In	rvest	tigat	on	ido-	atifi.	_ _	roo	_	oth	er.	thar	the	se	ah	ove	_	П	000	riho	.IN	VES	ST	OT	HE	RI	NE).	IN	/ES	т	0	TE	IER	IN	D_E	ET	AILS	,

PART F - DRUG & ALCOHOL TESTING I	NFORMATION
F1. As a result of this Accident, were any Or Drug & Alcohol Testing regulations?	perator employees tested under the post-accident drug and alcohol testing requirements of DOT's EMPLOYEE_DRUG_TEST_IND
	ere tested: //_NUM_EMPLOYEES_TESTED
F1b. Specify how many fa	
Fib. Specify flow flially la	iled: /_/ NUM_EMPLOYEES_FAILED
of DOT's Drug & Alcohol Testing regula	perator contractor employees tested under the post-accident drug and alcohol testing requirements tions? CONTRACTOR_DRUG_TEST_IND
O No O Yes 🖒 F2a. Specify how many w	ore tested: NUM CONTRD + CTODE TREATED
• • •	
F2b. Specify how many fa	ailed: <u> NUM_CONTRACTORS_FAILED</u>
PART G – APPARENT CAUSE CAUSE CAUSE DETAILS	Select only one box from PART G in the shaded column on the left representing the APPARENT Cause of the Accident, and answer the questions on the right. Describe secondary, contributing, or root causes of the Accident in the narrative (PART H).
CHOSE CHOSE CONTRACTOR	secondary, contributing, or root causes of the Accident in the nutritive (FART 11).
G1 - Corrosion Failure ***	nly one sub-cause can be picked from shaded left-hand column
INTERNAL EXTERNAL	ny one sub-cause can be picked from snaded left-nand column
	1. Deculte of vigual everyination: VICUAL EVAN DECULTS
☐ External Corrosion	Results of visual examination: VISUAL_EXAM_RESULTS O Localized Pitting O General Corrosion
	O Other VISUAL_EXAM_DETAILS
	Type of corrosion: (select all that apply)
GALVANIO	CORROSION IND, ATMOSPHERE CORROSION IND STRAY CURRENT CORROSION IND
	MICROBIOLOGICAL_CORROSION_IND SELECTIVE_SEAM_CORROSION_IND
	O Galvanic O Atmospheric O Stray Current O Microbiological O Selective Seam O Other OTHER_CORROSION_IND CORROSION_TYPE_DETAILS
	STRAY_CURRENT_TYPE 2a. If 2 is Stray Current, specify O Alternating Current O Direct Current AND 2b. Describe the stray current source: STRAY_CURRENT_DETAILS
	3. The type(s) of corrosion selected in Question 2 is based on the following: (select all that
	apply) FIELD_EXAM_BASIS_IND METALLURGICAL_BASIS_IND
	O Field examination O Determined by metallurgical analysis
	O Other OTHER_BASIS_IND CORROSION_BASIS_DETAILS
	4. Was the failed item buried or submerged? UNDERGROUND_LOCATION
	O Yes ⇒ 4a. Was failed item considered to be under cathodic protection at the time of
	the Accident? UNDER_CATHODIC_PROTECTION_IND
	O Yes → Year protection started: /_ / / / / / CATHODIC_PRO_START_YEAR
	4b. Was shielding, tenting, or disbonding of coating evident at the point of the Accident? SHIELDING_EVIDENT O Yes O No
	CATHODIC SURVEY TYPE
	4c. Has one or more Cathodic Protection Survey been conducted at
CD ANIMITAT	the point of the Accident? (select all that apply) ANNUAL SURVEY YEAR SURVEY IND O Year CR Apply Survey A Most recent year and letted.
	SURVEY_IND ○ Yes, CP Annual Survey Most recent year conducted: / / / / / / CLOSE_INTERVAL_SURVEY_YEAR
OTHER CD	SURVEY_IND ○ Yes, Close Interval Survey ⇒ Most recent year conducted: 7 / / / OTHER CP SURVEY_YEAR SURVEY_IND ○ Yes, Other CP Survey ⇒ Most recent year conducted: 7 / / / / / Survey_IND ○ Yes, Other CP Survey ⇒ Most recent year conducted: 7 / / / / / / / / / / / / / / / / / /
OTHER_CF_	Describe other CP survey OTHER_CP_SURVEY_DETAILS
	O No
	EXTERNALLY COATED
	O No ⇒ 4d. Was the failed item externally coated or painted? O Yes O No
	PRIOR_DAMAGE 5. Was there observable damage to the coating or paint in the vicinity of the corrosion?
	O Yes O No O N/A Bare/Ineffectively Coated Pipe

☐ Internal Corrosion	6. Results of visual examination: O Localized Pitting O General Corrosion O Not cut open O Other INT_VISUAL_EXAM_DETAILS
INT_CORROSIVE_COMMODITY_IND INT_OTHER_CORROSION_IND	7. Cause of corrosion: (select all that apply) MICROBIOLOGICAL IND O Corrosive Commodity O Water drop-out/Acid O Microbiological O Erosion O OtherINT_CORROSION_TYPE_DETAILS
	8. The cause(s) of corrosion selected in Question 7 is based on the following: (select all that apply) INT_FIELD_EXAM_BASIS_IND
G2 - Natural Force Damag	C - *only one sub-cause can be picked from shaded left-hand column EARTH SUBTYPE
☐ Earth Movement, NOT due to Heavy Rains/Floods	Specify: O Earthquake O Subsidence O Landslide O Other NF_OTHER_DETAILS
☐ Heavy Rains/Floods	HEAVY_RAINS_SUBTYPE 2. Specify: O Washout/Scouring O Flotation O Mudslide O Other NF_OTHER_DETAILS
☐ Lightning	LIGHTNING SUBTYPE 3. Specify: O Direct hit O Secondary impact such as resulting nearby fires
☐ Temperature	TEMPERATURE SUBTYPE 4. Specify: O Thermal Stress O Frost Heave O Frozen Components O Other NF_OTHER_DETAILS
☐ High Winds	
☐ Tree/Vegetation Root	
☐ Snow/Ice impact or Accumulation	
☐ Other Natural Force Damage	5. Describe: NF_OTHER_DETAILS
Complete the following if any Natural Force	ce Damage sub-cause is selected. NF EXTREME WEATHER IND
6. Were the natural forces causing the Accid NF 6a. If Yes, specify: (select all that apply)	ent generated in conjunction with an extreme weather event? O Yes O No HURRICANE IND NF TROPICAL STORM IND NF TORNADO IND O Hurricane O Tropical Storm O Tornado O Other NF_OTHER_IND NF_EXTREME_WEATHER_DETAILS
G3 – Excavation Damage	- *only one sub-cause can be picked from shaded left-hand column
☐ Excavation Damage by Operator (First Party) PARTY_TYPE	
☐ Excavation Damage by Operator's Contractor (Second Party)	
☐ Excavation Damage by Third Party	
☐ Previous Damage due to Excavation Activity	n
Complete the following if Excavation Dam	nage by Third Party is selected as the sub-cause. PRIOR_NOTIFICATION_IND the excavation activity? O Yes O No

	Contractor O Landowner
1b. Per the primary Accident Investigator results, did State law exempt the excavator from notifying the one O Yes O No O Unknown STATE_LAW_EXEMPT_IND	e-can center :
If yes, answer 1c through 1e. STATE LAW_EXEMPT_TYPE 1c. select one of the following:	
O Excavator is exempt	
O Activity is exempt and did not exceed the limits of the exemption	
O Activity is exempt and exceeded the limits of the exemption	
O Other mandatory text field: STATE_LAW_EXEMPT_DETAIL 1d. Exempting authority: STATE_LAW_EXEMPT_AUTHORITY	
1e. Exempting authority. STATE_LAW_EXEMPT_CRITERIA	
Complete the following mandatory CGA-DIRT Program questions if any Excavation Damage sub-cause is s	selected.
2. Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)? OYes OI	No
3. Right-of-Way where event occurred: (select all that apply) PUBLIC ROW_IND PUBLIC_SUBTYPE □ Public ⇒ Specify: ○ City Street ○ State Highway ○ County Road ○ Interstate Highway PRIVATE ROW_IND PRIVATE SUBTYPE □ Private □ Specify: ○ Private Landowner ○ Private Business ○ Private Easement □ Pipeline Property/Easement PIPELINE_EASEMENT_ROW_IND	O Other
☐ Power/Transmission Line POWER_TRANSMISSION_ROW_IND	
Railroad RAILROAD_ROW_IND	
☐ Dedicated Public Utility Easement PUBLIC_UTIL_EASEMENT_ROW_IND	
☐ Federal Land FEDERAL_LAND_ROW_IND ☐ Unknown/Other UNKNOWN_ROW_IND	
JOINT TRENCH IND 4 Was the facility part of a Joint Trench? OYes O No	
CROSS_BORE_IND 5. Did this event involve a Cross Bore? OYes O No	
6. Measured Depth from Grade DEPTH_OF_GRADE O Embedded in Concrete/Asphalt Pavement O <18" /46 cm O 18" – 36" /46 cm – 91 cm O Measured depth From Gradein/cm DEPTH_OF_GRADE_DETAIL	O > 36" / 91 cm
7. Type of excavator: (select only one) EXCAVATOR_TYPE	
O Railroad O State O Utility O Unknown/Other	Dccupant
EXCAVATOR_EQUIPMENT 8. Type of excavation equipment: (select only one)	
	Directional Drilling
	Milling Equipment
O Probing Device O Trencher O Vacuum Equipment O Bulldozer O Unknowr WORK_PERFORMED 9. Type of work performed: (select only one)	n/Other
	O Building Demolition
O Drainage O Driveway O Electric O Engineering/Surveying	O Fencing
O Grading O Irrigation O Landscaping O Liquid Pipeline	O Milling
O Natural Gas O Pole O Public Transit Authority O Railroad Maintenance	O Road Work
O Sewer (Sanitary/Storm) O Site Development O Steam O Storm Drain/Culvert O Telecommunications OTraffic Signal O Traffic Sign O Water	OStreet Light O Waterway Improvement
O Data not collected O Unknown/Other	O waterway improvement
ONE_CALL_NOTIFIED_IND ONE_CALL_TICKET_NUM 10. Was the One-Call Center notified? O Yes O No If No, skip to question 11	
*10a. If Yes, specify ticket number: / / / / / / / / / / / / / / / / / /	
ONE CALL CENTER NAME *10b. If this is a State where more than a single One-Call Center exists, list the name of the One-Call	I Center notified:
*10 c. Was work area white lined? O No O Yes O Unknown WHITE_LINED_IND	
LOCATOR_TYPE 11. Type of Locator: O Facility Owner O Contract Locator O Unknown/Other	
VISIBLE_MARKS	
12. Were facility locate marks visible in the area of excavation? O No O Yes O Unknown/ SERVICE_INTERRUPTION	
13. Did the damage cause an interruption in service? SERVICE INTERRUPTION HOURS 11a. If Yes, specify duration of the interruption: The property of the interruption of the interrupti	
ROOT CAUSE CATEGORY 14. Description of the CGA-DIRT Root Cause (select only the one predominant first level CGA-DIRT Root Cause as a choice, the one predominant second level CGA-DIRT Root Cause as well):	se and then, where available
ROOT CAUSE TYPE	

Notification Issue	
☐ No notification made to the One-C	all Center/811
☐ Excavator dug outside area descrit	ned on ticket
☐ Excavator dug outside area descrit	
☐ Excavator dug after valid ticket exp	
☐ Excavator provided incorrect notific	ation information
Excavation Issue	
☐ Excavator dug prior to verifying ma	• " /
☐ Excavator failed to maintain clearal	
☐ Excavator failed to protect/shore/su	upport facilities
☐ Improper backfilling practices☐ Marks faded or not maintained	
☐ Improper excavation practice not list	sted above
Locating Issue	Journal of the Control of the Contr
Facility not marked due to:	
☐ Abandoned facility	
☐ Incorrect facility records/maps	
☐ Locator error	
☐ No response from operator/contract	
☐ Incomplete marks at damage locati	on
□ Tracer wire issue □ Unlocatable Facility	
☐ Officialable Facility	
Facility marked inaccurately due to:	
☐ Abandoned facility	
☐ Incorrect facility records/maps	
☐ Locator error	
☐ <u>Tracer wire issue</u>	
Miscellaneous Root Causes	
□ Deteriorated facility	
□ Deteriorated facility□ One Call Center Error	
☐ Previous damage	
	equired) ROOT_CAUSE_TYPE_OTHER
,	
	
G4 - Other Outside Force Dama	age - *only one sub-cause can be picked from shaded left-hand column
OUTSIDE_FORCE_TYPE	
☐ Nearby Industrial, Man-made, or Other	
Fire/Explosion as Primary Cause of Accident	
7.00.00.00	
☐ Damage by Car, Truck, or Other	VEHICLE_SUBTYPE
Motorized Vehicle/Equipment NOT	1. Vehicle/Equipment operated by: (select only one)
Engaged in Excavation	O Operator O Operator's Contractor O Third Party If this sub-section is picked, please complete questions 5-11 below
	OSF HURRICANE IND OSF TROPICAL STORM IND OSF_TORNADO_IND
☐ Damage by Boats, Barges, Drilling	2. Select one or more of the following IF an extreme weather event was a factor:
Rigs, or Other Maritime Equipment or	O Hurricane O Tropical Storm O Tornado
Vessels Set Adrift or Which Have	O Heavy Rains/Flood O Other OSF_OTHER_WEATHER_IND OSF_HEAVY_RAINS_IND OSE_OTHER_WEATHER_DETAILS
Otherwise Lost Their Mooring	OSF_HEAVY_RAINS_IND OSF_OTHER_WEATHER_DETAILS
☐ 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	
☐ Intentional Damage	3. Specify: INTENTIONAL_SUBTYPE O Vandalism
☐ Other Outside Force Damage	4. Describe: OSF_OTHER_DETAILS
selected. DRIVER ISSUED CITATION IN 5. Was the driver of the vehicle or equipment If 5 is Yes, what was the nature of the citations 5a. Excessive Speed CITATION 5b. Reckless Driving CITATION 5c. Driving Under the Influence CI 5e. Other, describe: CITATION 6. Was the driver under control of the vehicle ESTIMATED SPEED 7. Estimated speed of the vehicle at the time of 8. Type of vehicle? (select only one) OM VEHICLE TRAVEL FROM 9. Where did the vehicle travel from to hit the OROAGWAY ODI VEHICLE TRAVEL DISTANCE FT 10. Shortest distance from answer in 9. to the PROTECTIONS INSTALLED IND 11. At the time of the accident, were protectio If 11 is Yes, specify type of protection (select a 11a. Bollards/Guard Posts PROTE 11b. Barricades – include Jersey ba 11c. Guard Rails PROTECTION	issued one or more citations related to the accident? O Yes O No O Unknown is (select all that apply) SPEED_IND RECKLESS_IND TATION_DUI_IND OTHER_INDCITATION_OTHER_DETAIL at the time of the collision? O Yes O No O Unknown

G5 - Material Failure of Pipe	or Weld	Use this section to report material failures ONLY IF the "Item Involved in Accident" (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 the following: (select all that apply) FIELD EXAM IND METALLURGICAL IND Field Examination Determined by Metallurgical Analysis Other Analysis OTHER_ANALYSIS_IND STILL_UNDER_INVEST_IND Sub-cause is Tentative or Suspected; Still Under Investigation (Supplemental Report required)		
FAILURE_TYPE Design-, Construction-, Installation-, or Fabrication-related		
☐ Original Manufacturing-related (NOT girth weld or other welds formed in the field)		
☐ Environmental Cracking-related		BTYPE Stress Corrosion Cracking Stress Cracking O Sulfide Stress Cracking O Hard Spot
Complete the following if any Material Failure of Pipe or Weld sub-cause is selected. ADDITIONAL_DENT_IND, ADDITIONAL_GOUGE_IND, ADDITIONAL_PIPE_BEND_IND, ADDITIONAL_ARC_BURN_IND, IND 4. Additional factors: (select all that apply)		

G6 - Equipment Failure - *only one sub-cause can be picked from shaded left-hand column EQ_FAILURE_TYPE		
COMMUNIO RELIEI ESD SYSTEM	1. Specify: (select all that apply) LVALVE_IND () Control Valve () Instrumentation_ind () SCADA () SCADA () O	
☐ Pump or Pump-related Equipment	OTHER_PUMP_IND 2. Specify: O Seal/Packing Failure O Body Failure O Crack in Body O Appurtenance Failure O Other OTHER_PUMP_DETAILS	
☐ Threaded Connection/Coupling Failure	OTHER_STRIPPED_IND 3. Specify: O Pipe Nipple O Valve Threads O Mechanical Coupling O Threaded Pipe Collar O Threaded Fitting O Other OTHER_STRIPPED_DETAILS	
☐ Non-threaded Connection Failure	OTHER_NON_THREADED_IND 4. Specify: O O-Ring O Gasket O Seal (NOT pump seal) or Packing O Other OTHER_NON_THREADED_DETAILS	
☐ Defective or Loose Tubing or Fitting		
☐ Failure of Equipment Body (except Pump), Tank Plate, or other Material		
☐ Other Equipment Failure	5. Describe:	
O Overpressurization ADDITIONAL O No support or loss of support AI O Manufacturing defect ADDITIONAL O Loss of electricity ADDITIONAL O Improper installation ADDITION O Improper maintenance ADDITION O Mismatched items (different manu O Dissimilar metals ADDITIONAL O Breakdown of soft goods due to co	inipment failure: (select all that apply) AL_VIBRATION_IND AL_OVERPRESSURE_IND DDITIONAL_SUPPORT_IND NAL_DEFECT_IND DELECTRICITY_IND AL_INSTALLATION_IND DNAL_IMPROPER_MNTNCE_IND Ufacturer for tubing and tubing fittings) ADDITIONAL_MISMATCH_IND DISSIMILAR_IND DI	

G7 - Incorrect Operation - *onl	y one sub-cause cai	an 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		
☐ Tank, Vessel, or Sump/Separator Allowed or Caused to Overfill or Overflow		
☐ Valve Left or Placed in Wrong Position, but NOT Resulting in a Tank, Vessel, or Sump/Separator Overflow or Facility Overpressure		
☐ Pipeline or Equipment Overpressured		
☐ Equipment Not Installed Properly		
☐ Wrong Equipment Specified or Installed		
☐ Other Incorrect Operation	2. Describe:	OPERATION_DETAILS
Other: RELATED_FAILURE_FOLLOW_IND Other: RELATED_OTHER_IND OPERATION_RELATED_DETAILS 4. What category type was the activity that caused the Accident: CATEGORY_TYPE Oconstruction Commissioning Decommissioning Right-of-Way activities Routine maintenance Other maintenance Normal operating conditions Non-routine operating conditions Non-routine operating conditions of the task(s) operator Qualification Program? Other Yes Ono 5a. If Yes, were the individuals performing the task(s) under the direction and observation of a qualified individual Ono, they were not qualified for the task(s) nor were they performing the task(s) under the direction and observation of a qualified individual		
G8 – Other Accident Cause - *only one sub-cause can be picked from shaded left-hand column OTHER_TYPE		
☐ Miscellaneous	i. Describe	MISC_DETAILS
□ Unknown	UNKNOWN SUBTY 2. Specify: comment field:	YPE O Investigation complete, cause of Accident unknown. Mandatory INCIDENT_UNKNOWN_COMMENTS O Still under investigation, cause of Accident to be determined* (*Supplemental Report required)
RT J – COMPLETED INTEGRITY INSPECTION	IS	Formerly at multiple locations in Part G

Complete the following if the "Item Involved in Accident" (from PART C Corrosion (any subCause in Part G1); or Previous Damage due to Excavation Activity (subCause in Part G3); Previous Mechanical Damage NOT Related to Excavation (subCause Material Failure of Pipe or Weld (any subCause in Part G5) COLLECTED_DATA_IND J1. Have internal inspection tools collected data at the point of the Accident O Yes O No	or in Part G4); or
J1a. If Yes, for each tool and technology used provide the information	pelow for the most recent and previous tool runs:
AXIAL_MAGNETIC_FLX_LKG_IND O Axial Magnetic Flux Leakage Most recent run Year: AXIAL_RECENT_YEAR AXIAL_RECENT_YEAR	PROPUL_METHOD
Most recent run Propulsion Method (select only one): O Free Sw AXIAL RCNT_ATTUNED_DETECT Most recent run Attuned to Detect (select only one): O Metal Loss O Other Por	mming O Tethered O Hard Spots O Girth Weld Anomalies cribe: AXIAL_RCNT_ATND_DTCT_DTLS
AXIAL RCNT ATND DTCT METAL If Metal Loss, specify (select only one): O Other Des	ution O Standard Resolution cribe: AXIAL_RCNT_ATT_DT_METAL_DTLS
Previous run Year: AXIAL_PREVIOUS_YEAR AXIAL_PREV	_PROPUL_METHOD
	ning O Tethered
Previous run Attuned to Detect (select only one): O Metal Loss	O Hard Spots O Girth Weld Anomalies
AXIAL_PREV_ATND_DTCT_METAL O Other Des	cribe: AXIAL_PREV_ATND_DTCT_DTLS
If Metal Loss, specify (select only one): O High Resol	ution O Standard Resolution
O Other Des	cribe: AXIAL_PREV_ATT_DT_METAL_DTLS
O Circumferential/Transverse Wave Magnetic Flux Leakage Most recent run Year: CIRC_WAVE_RECENT_YEAR CIRC_WAVE_CIRC_W	
Most recent run Propulsion Method (select only one): O Free Sw	
CIRC_WV_RCNT_RESOLUTION' Most recent run Resolution (select only one): O High Resol	
O Other Des	cribe: CIRC_WV_RCNT_RESOLUTION_DTLS
Danifold with Very CIRC WV PREVIOUS YEAR	REV_PROPUL_METHOD
Previous run Propulsion Method (select only one): O Free Swimr	ning O Tethered
CIRC WV PREV RESOLUTION Previous run Resolution (select only one): O High Resolution	ution O Standard Resolution
	cribe: CIRC_WV_PREV_RESOLUTION_DTLS
ULTRASONIC_IND O Ultrasonic Most recent run Year: ULTRASONIC RECENT YEAR	
Most recent run Propulsion Method (select only one): O Free Sw	NIC_RCNT_PROPUL_METHOD
Most recent run Attuned to (select only one) O Wall Measu	rement O Crack
If Attuned to Wall Measurement, most recent run Metal Loss Resolu	
	RCNT_ATT_METL_RES_DTLS
Previous run Year: ULTR_PREVIOUS_YEAR ULTRA_PREV_PR	OPUL_METHOD
Previous run Propulsion Method (select only one): O Free Swimr ULTRA PREV ATTUNED	ning O Tethered
Most recent run Attuned to (select only one) O Wall Measu	rement O Crack
If Attuned to Wall Measurement, most recent run Metal Loss Resolu	
O Standard Resolution O Other Describe: UTRA_	PREV_ATT_METL_RES_DTLS
GEOMETRY_DEFORMATION_IND O Geometry/Deformation	
Manatana and Manay CEOMETRY RECENT YEAR	Y RCNT PROPUL METHOD
Most recent run Propulsion Method (select only one): O Free Sw	mming O Tethered
Most recent run Resolution (select only one): O High Resol	GEOMETRY RCNT RESOLUTION
O Other Des	cribe: GEOMETRY_RCNT_RESOLUTION_DTLS
Most recent run Measurement Cups (select only one): O Inside Previous run Year: GEOMETRY PREVIOUS YEAR	LI Cups O No Cups
Previous run Propulsion Method (select only one): O Free Swimr	ning O Tethered
Previous run Resolution (select only one): O High Resol	GEOMETRY_PREV_RESOLUTION ution O Standard Resolution
Onther Des	cribe GEOMETRY_PREV_RESOLUTION_DTLS
GEOMETRT PREV MEASUR CUPS Previous run Measurement Cups (select only one): O Inside ILI	Cups O No Cups

Most recent run Propulsion Method (select only one): O Free Swin	PUL_METHOD ing O Tethered OPUL_METHOD nming O Tethered OPUL_METHOD ing O Tethered OPUL_METHOD ing O Tethered ROPUL_METHOD nming O Tethered
Previous run Propulsion Method (select only one): O Free Swimm	ing O Tethered
Answer J1.b only when the cause is: Previous Damage due to Excavation Activity (subCause in Part G3); Previous Mechanical Damage NOT Related to Excavation (subCause)	in Part G4)
J1b. Do you have reason to believe that the internal inspection was con HAS_HYDRTST_CONDUC_BEFORE_IND J2. Has one or more hydrotest or other pressure test been conducted since of (initial post construction pressure test is NOT reported here)	
· · · · · · · · · · · · · · · · · · ·	HYDRTST_MOST_RCNT_PRESSURE pressure (psig): // / / / / /
O No DIRECT_ASMNT_CONDUCTED J3. Has Direct Assessment been conducted on the pipeline segment? O Yes, and an investigative dig was conducted at the point of the A	DIRECT_ASMNT_AT_PNT_ACCONT_YR accident → Most recent year conducted:
O Yes, but the point of the Accident was not identified as a dig site O No If J3 is Yes, J3a. For each type, indicate the year of the most recent ass External Corrosion Direct Assessment (ECDA) Other, specify type: ASMNT_OTHER_TYPE // /	⇒ Most recent year conducted: / / / / DIRECT_ASMNT_PNT_NOT_IDNTF_YR sessment: / / / ASMNT_ECDA_RCNT_YEAR, ASMNT_ECDA_RCNT_IND / / / ASMNT_OTHER_RCNT_YEAR, ASMNT_OTHER_RCNT_IND
J4. Has one or more non-destructive examination been conducted prior to th O Yes O No NON_DESTRUCTIVE_EXAM_IND	
J4a. If Yes, for each examination conducted, select type of non-destruct conducted:	
O Radiography O Guided Wave Ultrasonic O Handheld Ultrasonic Tool O Wet Magnetic Particle Test O Dry Magnetic Particle Test / EXM_WET / EXM_WET / EXM_DRY /	M_RADIOGRAPHY_RCNT_YEAR, EXM_RADIOGRAPHY_RCNT_IND _ULTRASONIC_RCNT_YEAR, EXM_WAVE_ULTRASONIC_RCNT_IND L_ULTRASONIC_RCNT_YEAR, EXM_HANDL_ULTRASONIC_RCNT_IND MGNT_PARTCL_RCNT_YEAR, EXM_WET_MGNT_PARTCL_RCNT_IND MGNT_PARTCL_RCNT_YEAR, EXM_DRY_MGNT_PARTCL_RCNT_IND EXM_OTHER_RCNT_YEAR EXM_OTHER_RCNT_IND
PART K – CONTRIBUTING FACTORS	
The Apparent Cause of the accident is contained in Part G. Do not report identified during a root cause analysis, select all that apply below and expl	
External Corrosion EXTRNL_COR_GALVANIC_IND External Corrosion, Galvanic EXTRNL_COR_ATMOSPHERIC_IND External Corrosion, Atmospheric EXTRNL_COR_STRAY_CURRENT_IND External Corrosion, Stray Current Induced EXTRNL_COR_MICROBIOLOGIC_IND External Corrosion, Microbiologically Induced EXTRNL_COR_SELECTIVE_SEAM_IND External Corrosion, Selective Seam Internal Corrosion INTRNL_COR_CORROSIVE_CMDTY_IND Internal Corrosion, Corrosive Commodity INTRNL_COR_WITR_DRPOUT_ACID_IND Internal Corrosion, Water drop-out/Acid MICROBIOLOGIC_IND Internal Corrosion, Microbiological Internal Corrosion, Erosion INTRNL_COR_EROSION_IND	Pipe/Weld Failure Design-related PWF_DESIGN_IND Construction-related PWF_CONSTRUCTION_IND Installation-related PWF_INSTALLATION_IND Fabrication-related PWF_FABRICATION_IND Original Manufacturing-related PWF_MANUFACTURING_IND Environmental Cracking-related Stress Corrosion Cracking PWF_ENV_STRESS_CORROSION_IND Environmental Cracking-related Sulfide Stress Cracking Industrial Cracking-related Sulfide Stress Cracking Industrial Cracking-related, Hydrogen Stress Industrial Cracking-related, Hard Spot

Natural Forces NF EARTH MOVEMENT IND	Equipment Failure
☐ Earth Movement, NOT due to Heavy Rains/Floods	☐ Malfunction of Control/Relief Equipment
☐ Heavy Rains/Floods NF_HEAVY_RAINS_IND	□ Pump or Pump-related Equipment _ Pump or Pump-related Equipment _ Pump _ EQUIPMENT _ IND _ Pump or Pump-related Equipment _ Pump _ EQUIPMENT _ IND _ Pump or Pump-related Equipment _ Pump or Pump
☐ Lightning NF_LIGHTNING_IND	☐ Threaded Connection/Counling Failure
☐ Temperature NF_TEMPERATURE_IND	☐ Threaded Connection/Coupling Failure ☐ Non-threaded Connection Failure
☐ High Winds NF_HIGH_WINDS_IND	 □ Non-threaded Connection Failure □ Defective or Loose Tubing or Fitting
☐ Tree/Vegetation Root NF_VEGITATION_ROOT_IND Excavation Damage EXCVTN DMG OPERATOR IND	□ Failure of Equipment Body (except Compressor), Vessel Plate, or other Material EQF_EQUIPMENT_BODY_IND
Except Damage by Operator (First Party) EXCVIN DMG OF CONTRACTOR IND	Incorrect Operation IO DAMAGE BY OPERATOR IND
☐ Excavation Damage by Operator's Contractor (Second Party) ☐ EXCVIN DMG_THIRD_PARTY_IND	□Damage by Operator or Operator's Contractor NOT Excavationand
☐ Excavation Damage by Third Party EXCVTN DMG_PREVIOUS_DAMAGE_IND	NOT Vehicle/Equipment Damage
□ Previous Damage due to Excavation Activity	□Tank, Vessel, or Sump/Separator Allowed or Caused to Overfillor
Other Outside Force OSF NEARBY INDUSTRIAL IND	Overflow IO_VALVE_POSITION_IND
☐ Nearby Industrial, Man-made, or Other Fire/Explosion	□Valve Left or Placed in Wrong Position, but NOT Resulting in
□ Damage by Car, Truck, or Other Motorized Vehicle/EquipmentNOT Engaged in Excavation OSF_VEHICLE_IND	Overpressure IO_EQUIPMENT_OVERPRESSURE_IND
Engaged in Excavation OSF_VEHICLE_IND OSF_BOAT_IND	☐ Pipeline or Equipment Overpressured ☐ Popeline or Equipment Overpressured ☐ NOT INSTALLED PROPERLY IND ☐ Equipment Not Installed Property
□Damage by Boats, Barges, Drilling Rigs, or Other Adrift	Lequipment Not installed 1 topens WRONG_EQUIPMENT_IND
Maritime Equipment OSF OTHER MARITIME IND	☐ Wrong Equipment Specified or Installed
□Routine or Normal Fishing or Other Maritime Activity NOT	☐ Inadequate Procedure IO_INADEQUATE_PROCEDURE_IND
Engaged in Excavation OSF_ELECTRICAL_ARCING_IND	☐ No procedure established IO_NO_PROCEDURE_IND
☐ Electrical Arcing from Other Equipment or Facility OSF PREVIOUS MECHANICAL IND	☐ Failure to follow procedures IO_FOLLOW_PROCEDURE_IND
☐ Previous Mechanical Damage NOT Related to Excavation ☐	
☐ Intentional Damage OSF_INTENTIONAL_IND	

PART H – NARRATIVE DESCRIPTION OF THE ACCIDENT

NARRATIVE

PART I - PREPARER AND AUTHORIZED SIGNATURE

PREPARER_NAME
Preparer's Name (type or print)

reparer e rianne (type er pinne

PREPARER_TITLE
Preparer's Title (type or print)

PREPARER_EMAIL
Preparer's E-mail Address

Local Contact Name: optional Local Contact Email: optional Local Contact Phone: optional Local Contact Phone: optional Local Contact Phone: optional Local Contact Phone: optional Local Contact Phone

AUTHORIZER_NAME

Authorized Signer's Name

AUTHORIZER_TITLE Authorized Signer's Title PREPARER TELEPHONE

Preparer's Telephone Number

PREPARER_FAX

Preparer's Facsimile Number

AUTHORIZER_TELEPHONE

Authorized Signer Telephone Number

AUTHORIZER_EMAIL
Authorized Signer's E-mail Address

Note: Field names not on the form are as following:

Field Name	Field Name Description
DATAFILE_AS_OF	Data as of date
SIGNIFICANT	Identify if record meets the significant criteria or not: If there was fatality, injury, or
	total property damage \$50K or more in 1984 dollars, then SIGNIFICANT='YES', else
	SIGNIFICANT='NO'.
IYEAR	Year accident occurred, derived from accident date
NET_LOSS_BBLS	UNINTENTIONAL_RELEASE_BBLS - RECOVERED_BBLS
EST_COST_OPER_PAID_CURRENT	Converted Property Damage to Current Year dollars
EST_COST_GAS_RELEASED_CURRENT	Converted Property Damage to Current Year dollars
EST_COST_PROP_DAMAGE_CURRENT	Converted Property Damage to Current Year dollars
EST_COST_EMERGENCY_CURRENT	Converted Property Damage to Current Year dollars
EST_COST_ENVIRONMENTAL_CURRENT	Converted Property Damage to Current Year dollars
EST_COST_OTHER_CURRENT	Converted Property Damage to Current Year dollars
TOTAL_COST_IN84	Converted Property Damage to Year 1984 dollars
TOTAL_COST_CURRENT	Converted Property Damage to Current Year dollars
MAP_CAUSE	Cause by PHMSA for 20 year accident trending
MAP_SUBCAUSE	SubCause by PHMSA for 20 year accident trending
SPILL_TYPE_CATEGORY	Spill type category by PHMSA for accident trending; If there was fatality, injury, fire,
	explosion, water contamination, total property damage > \$50K, or unintentional loss
	>= 5bbls, then SPILL_TYPE_CATEGORY='LARGE', else SPILL_TYPE_CATEGORY='SMALL'.
SERIOUS	Identify if record meets the SERIOUS criteria or not: If there was fatality or injury then
	SERIOUS = 'YES' else SERIOUS = 'NO'.
IPE	Impacting People or the Environment (IPE) - when commodity (A8) is crude oil, refined
	petroleum products, of biofuel, if either criterion 1 or 2 below is met, the accident
	counts as IPE: 1. Regardless of Location of Accident (B10): Fatality (A10) greater than
	zero; or Injury requiring in-patient hospitalization (A11) greater than zero; or Ignition
	(A22) = Yes; or Explosion (A22d) = Yes; or Evacuation (A25) greater than zero; or
	Wildlife impact (D1) = Yes; or Water contamination (D5a) = Ocean/Seawater,
Form PHMSA F 7000-1 (rev 3-2021)	Page 1 of 22

PREPARED_DATE Date

	Groundwater, or Drinking water; or Public/Non-Operator Private Property Damage (D8a) greater than zero 2.For Location of Accident (B10) not "TOTALLY CONTAINED ON OPERATOR CONTROLLED PROPERTY": Unintentional Release Volume (A7) greater than or equal to 5 gallons AND HCA (D7) = Yes; or Unintentional Release Volume (A7) greater than or equal to 5 barrels AND HCA (D7) = No; or Water contamination (D5a) = Surface; or Soil contamination (D2) = Yes
IA_IPE	Integrity Assessment Target - accidents Impacting People or the Environment (IPE) and one of these causes: Corrosion, Pipeline/Weld Material Failure, Failure of Previously Damage Pipe - caused by Excavation Damage or Other Outside Force Damage.
OM_IPE	Operation & Maintenance Target - accidents Impacting People or the Environment (IPE) and one of these causes: Equipment Failure, Incorrect Operation, 1st & 2nd Party Excavation Damage with Root Cause = Locating Practices Not Sufficient.