

09/07/06 Changes by the DMT are in Plum

12/31/2008 changes by the DMT are in Orange

RELEASE RECORD – HAZARDOUS LIQUID PIPELINE FACILITY

API-assigned User Name _____

PART DS. DESCRIPTION OF RELEASE

Date of release: __/__/__

Is pipeline or facility: interstate
 intrastate

Is pipeline or facility a gathering line?
 Yes No Don't know
If so, is it regulated under Part 195 or its state equivalent
unregulated under Part 195

Was or will a PHMSA 7000-1 report be submitted? Yes No Don't know

Was or will a telephonic or written release report be made to any State agency?
 Yes No Don't know

Was a telephonic report made to the National Response Center for this incident?
 Yes No Don't know

Transported commodity released (check one):

- HVL's or other flammable or toxic fluid which is a gas at ambient conditions
- CO2, N2 or other non-flammable, non-toxic fluid which is a gas at ambient conditions
- Gasoline, diesel, fuel oil, or other petroleum product which is a liquid at ambient conditions
- Crude oil

- Biofuel (including all releases of any ethanol blends)
 - Fuel Grade Ethanol Ethanol Blend E__/_/___
 - Biodiesel Blend B__/_/___ Other Biofuel Name: _____

[If Form 7000-1 submitted] Did this release originate from a facility or pipeline segment that had been identified as one that "could affect" any "high consequence area" (49 CFR Part 195.450)?

Yes No Don't know

Did this release reach or occur in any "high consequence areas" (49 CFR Part 195.450)?

Yes No Don't know

Specify below the types of HCA's intersected or reached and whether they were identified or not identified in your Integrity Management Program as HCA's that the pipeline segment could affect. If a particular type of HCA was not reached, leave blank.

- | | | |
|---------------------------------------|-------------------------------------|---|
| Commercially navigable waterway | <input type="checkbox"/> identified | <input type="checkbox"/> not identified |
| High population area | <input type="checkbox"/> identified | <input type="checkbox"/> not identified |
| Other populated area | <input type="checkbox"/> identified | <input type="checkbox"/> not identified |
| Unusually Sensitive Area – Water | <input type="checkbox"/> identified | <input type="checkbox"/> not identified |
| Unusually Sensitive Area – Ecological | <input type="checkbox"/> identified | <input type="checkbox"/> not identified |

Estimated size of release: _____ bbls (1 barrel = 42 gallons)

HVL releases: Of the released amount how much was associated with response (blow-down) ___bbls

Amount of commodity recovered: _____ bbls

[Navigation Note] If Estimated size of release is <5 barrels, and pipeline or facility is unregulated gathering, then go to PART SM. (Part SM only visible for Unregulated Gathering Lines)

Did release occur: Onshore Offshore

State _____	<input type="checkbox"/> Federal OCS waters <input type="checkbox"/> State waters Offshore area (without block number e.g. Ship Shoal) _____ Approximate water depth: _____ feet
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PART CQ. CONSEQUENCE OF RELEASE

- Was there a fire? No Yes
- Was there an explosion? No Yes
- Any deaths or injuries? No Yes *If Yes* _____ → *Complete also PART PB*
- Public evacuation necessary? No Yes *If Yes* _____ → *Complete also PART PB*
- Was the area affected by the release contained on the company-controlled facility (excluding right-of-way)?
- Yes No Don't know

- Type of water impacted (check all that apply):
- None
 - Ocean/Seawater
 - Surface water *If checked, Was an intake shutdown?* Yes No Don't know
 - Groundwater *If checked, Was a well shutdown?* Yes No Don't know
 - Drinking water for human consumption
 - A drinking water source identified as an area unusually sensitive to environmental damage USA)

- Type of ecology impacted (check all that apply):
- None
 - Vegetation/plant life
 - Fish/aquatic life (including livestock)
 - Birds (including livestock)
 - Other wildlife (including livestock)

Was there an impact to soils? Yes No

- Were there corrective actions taken (including completed and ongoing activities and remediation) related to any of the following? (Check all that apply):
- None needed
 - Vegetation/plant life
 - Soil (including soil removal)
 - Surface water
 - Groundwater
 - Drinking water for human consumption
 - Fish/aquatic life (including livestock)
 - Birds (including livestock)
 - Other wildlife (including livestock)

Were threatened or endangered species or plants injured (animal, plant, fish, or bird)?

Yes No Don't know

Has a Natural Resources Damage Assessment been performed? Yes No Don't know

If Yes → Corrective action performed or planned? Yes No
 Was public, personal or commercial property disrupted or damaged? Yes No Don't know

If Yes, check all that apply:

- Homes and/or personal property
- Businesses/commercial
- Farming/agricultural business
- Other Specify _____
- Recreational resources
- Commercial navigation
- Public place or facility

PART PB. DETAILS OF PUBLIC SAFETY CONSEQUENCES

Fatalities and/or injuries:

Number of operator employees	_____ fatalities	_____ injured
Number of contractor employees working for the operator	_____ fatalities	_____ injured
Number of others (public)	_____ fatalities	_____ injured
Number of workers working on the ROW, but NOT associated with this operator	_____ fatalities	_____ injured
Total	_____ fatalities	_____ injured

Public evacuation undertaken (check all that apply)

- Precautionary evacuation undertaken by company
- Evacuation required by or initiated by a public official

PART LD. LEAK DETECTION

Was the release initially detected by? (check one):

- CPM/SCADA-based system with automated leak detection (alert/alarm)
- Remote operating personnel, including controllers
- Static shut-in test or other pressure or leak test
- Local operating personnel, procedures, or equipment
- Air patrol or ground surveillance
- A third party
- Other
- I don't know (please determine and amend filing later)

Was the presence of the release confirmed by? (check one):

- CPM/SCADA-based system with automated leak detection (alert/alarm)
- Remote operating personnel, including controllers
- Static shut-in test or other pressure or leak test
- Local operating personnel, procedures, or equipment
- Air patrol or ground surveillance
- A third party
- Other
- I don't know (please determine and amend filing later)

Did the applied leak detection tools, whether human, software or hardware, perform as expected?

- Yes No Don't know

If No Reason for non-performance (check one):

- Field instrumentation failure
- Communications failure
- Software failure
- Human error
- Other

Emergency Response

Did the Federal Government take control of the response? Yes No Don't know

PART FA. FACILITY INVOLVED

Part of system involved (check one main category and one subcategory, plus the SMYS question):

1 Onshore Tanks or Storage Vessels, Including Attached Appurtenances [Also complete PART TK]

Specify: Atmospheric or Low Pressure
 Pressurized

2 Belowground Storage or Cavern, including Associated Equipment and Piping

3 Onshore Terminal/Tank Farm Equipment and Piping

At the location and time of the failure, was the operating pressure above 20% SMYS?

Yes No Don't know

Aboveground equipment or pipe

Belowground equipment or pipe (buried)

At aboveground/belowground transition

Pipe or equipment located in a designed enclosure such as a vault or can

4 Onshore Pump/Meter Station Equipment and Piping

At the location and time of the failure, was the operating pressure above 20% SMYS?

Yes No Don't know

Aboveground equipment or pipe

Belowground equipment or pipe (buried)

At aboveground/belowground transition

Pipe or equipment located in a designed enclosure such as a vault or can

5 Onshore Pipeline, Including Valve Sites

At the location and time of the failure, was the operating pressure above 20% SMYS?

Yes No Don't know

Belowground equipment or pipe (buried)

At unintentional exposure of buried pipe

At an excavation (temporarily and intentionally exposed prior to the incident)

At designed aboveground/belowground transition

Aboveground equipment or pipe

Pipe or equipment located in a designed enclosure such as a vault or can

Did the release occur in a crossing? Yes No

If yes, specify type below:

Bridge Crossing: Specify: Cased Uncased

Railroad Crossing: Specify: Cased Uncased

Road Crossing: Specify: Cased Uncased

Lake, Reservoir, River, Stream, or Creek Crossing

Specify: Cased Uncased

Also, specify: Approx. Water Depth (ft): / / / /

6 Offshore Platform/Deepwater Port, Including Platform-mounted Equipment and Piping, Riser, or Riser Bend

7 Offshore Pipeline

Shoreline crossing or shore approach

Below water

Splash zone

Above water

If 3 through 7 for "Facility Involved" above, complete "Item involved".

Item involved (check one):

- Pipe or Pipe Seam → Also complete PART PI
- Weld, including heat-affected zone → Also complete PART WL
- Valve

- Mainline
- Auxiliary

Pump

Type of pump:

- Positive Displacement
- Centrifugal
- Gear
- Other Specify _____

Type of Service

- Mainline Pipeline
- Pipeline Booster
- Injection
- Truck Rack Pump
- Other Specify _____

- Meter/Prover
- Relief Line or Relief Equipment
- Scraper Trap
- Sump/Separator
- Repair Sleeve or Clamp
- Hot Tap Equipment
- Stopple Fitting
- Flange
- Auxiliary piping (e.g. drain lines)
- Tubing

Tubing Material:

- Stainless Steel
- Carbon Steel
- Copper
- Other

Type of Tubing

- Rigid
- Flexible

Instrumentation

Other

If Item involved is "Other", please indicate the Item Involved _____

Did this failure involve a small diameter fitting?

- Yes No Don't know

If "yes" indicate:

Fitting Type (check one):

- Welded
- Threaded
- Flanged
- Compression
- Other

Fitting Material (check one):

- Carbon Steel
- Stainless Steel
- Cast Iron
- Copper
- Other

Year item was installed (actual or estimated if necessary) _____

DETAILS WHEN ITEM INVOLVED IS PIPE, WELD, OR TANKS/STORAGE VESSELS

PART PI. DETAILS WHEN PIPE IS INVOLVED *

**Not answered when the failure involves a small fitting*

Nominal pipe size _____ inches Don't know
Wall thickness _____ inches Don't know
SMYS (psi) _____ Don't know

Type of pipe (check one):

- Seamless
- Flash welded
- Spiral welded SAW
- LF ERW
- HF ERW
- Furnace Butt-welded
- Spiral welded ERW
- Single SAW
- Lap-welded
- Plastic/non-metallic
- DSAW
- Continuous welded
- Other
- Unknown

Manufacturer _____ Don't know
Year of manufacture _____ Don't know
Was this a seam-related failure? Yes No Don't know

Nature of failure (check one):

- Leak
- Rupture
- Puncture
- Other

PART WL. DETAILS WHEN A GIRTH WELD OR FABRICATION OR REPAIR WELD IS INVOLVED

Nature of failure (check one):

- Pinhole leak or crack
- Separation of weldment

Was this an acetylene weld? Yes No Don't know

PART TK. DETAILS WHEN ONSHORE TANK OR STORAGE VESSEL, INCLUDING ATTACHED APPURTENANCES IS INVOLVED

Item involved/Type of Failure (check one):

- Single Bottom System failure (you will be navigated to PART TK2)
- Double Bottom System failure (you will be navigated to PART TK2)
- Chime Failure (you will be navigated to PART TK2)
- Shell or Head failure (you will be navigated to PART TK2)
 If Shell or Head failure, was the failure in a riveted seam? Yes No Don't know
- Overfill/overpressure (check one)
 - Operator error *only*
 - Equipment malfunction *only*
 - Operator error with equipment malfunction
 - Other *Please specify* _____
- Appurtenance failure (check one) (you will be navigated to PART TK2)
 - Roof drain failure
 - Other
- Other failure (you will be navigated to PART TK2)

Is this tank a breakout tank? Yes No Don't know

PART TK2. DETAILS WHEN ABOVE GROUND STORAGE TANK IS INVOLVED AND OVERFILL IS NOT THE TYPE OF FAILURE.

Was this a catastrophic failure? Yes No Don't know

Was the tank hydrotested or otherwise pressure tested upon construction or major repair?
 Yes No Don't know

Is the tank bottom cathodically protected? Yes No Don't know

Is the tank bottom internally lined or coated? Yes No Don't know

Was vortex erosion a factor in this failure? Yes No Don't know

Year item involved was installed (actual or estimated if necessary) _____ Don't know

Year of most recent API 653 internal tank inspection or equivalent _____ Don't know

Year of most recent API 653 shell thickness external tank inspection or equivalent _____ Don't know

PART CA. CAUSE OF RELEASE

Primary cause of release (check one):

- Third party damage (current or past)
- Corrosion
- Material, seam, weld or repair weld failure for pipe or tank
- Equipment malfunction or failure of non-pipe component
- Operator error or other incorrect operation
- Natural forces
- Other



PART TP
PART CR
PART PW
PART EQ
PART OP
PART NF
PART OT

POP-UP SCREEN FOR SMALL RELEASES

(SHORT FORM IS ONLY VISIBLE FOR SMALL RELEASES IN UNREGULATED GATHERING LINES)

PART SM. SHORT FORM FOR SMALL RELEASES

Any deaths or injuries? Yes No If Yes —————> return to Long Form

Fire or explosion? Yes No If Yes —————> return to Long Form

Did release occur: Onshore Offshore

If onshore: was the area affected by the release contained on the company-controlled facility (excluding right-of-way)? Yes No Don't know

Type of water impacted (check all that apply):

- None
- Ocean/Seawater
- Surface water If checked, Was an intake shutdown? Yes No Don't know
- Groundwater If checked, Was a well shutdown? Yes No Don't know
- Drinking water for human consumption
- A drinking water source identified as an area unusually sensitive to environmental damage *under Part 195.6)*

Part of system involved (check one):

- 1 Onshore Tanks or Storage Vessels, Including Attached Appurtenances
- 2 Belowground Storage or Cavern, including Associated Equipment and Piping
- 3 Onshore Terminal/Tank Farm Equipment and Piping
- 4 Onshore Pump/Meter Station Equipment and Piping
- 5 Onshore Pipeline, Including Valve Sites
- 6 Offshore Platform/Deepwater Port, Including Platform-mounted Equipment and Piping, Riser, or Riser Bend
- 7 Offshore Pipeline

Cause of release (check one):

- Third party damage (current or past)
- Corrosion
- Material, seam, weld or repair weld failure for pipe or tank
- Equipment malfunction or failure of non-pipe component
- Operator error or other incorrect operation
- Natural forces
- Other

-----**END PART SM**-----

DETAILS RELATING TO CAUSES

PART TP. DETAILS WHEN CAUSE IS THIRD PARTY DAMAGE

Failure occurred due to (check one):

- Third party excavation, construction, or other work activity occurring at the time of the failure —→ #1 Pop-up screen below
- Third party excavation, construction, or other work activity occurring at some time prior to the failure —→ #2 Pop-up screen below
- Other, including vandalism, third party vehicle contact with facility, and other intentional or unintentional acts. —→ #3 Pop-up screen below

#1 POP-UP SCREEN – OCCURRING AT TIME OF FAILURE

Damaging party or activity (check one):

- Pipeline operator or their contractor —→ Will be recorded as “Operator Error”, and NOT “Third Party Damage”
- Other liquid or gas transmission pipeline operator or their contractor
 - Gas transmission
 - Liquid transmission
- Other underground facility operator or their contractor (check one):
 - Power or electric company
 - Cable television
 - Water utility
 - Other industry or party
 - Gas distribution
 - Telecommunications
 - Sewer utility
- Farming or agricultural business
- Homeowner or other activity related to homeowner’s residence
- Residential or commercial development
- Road construction or maintenance, including ditch grading, traffic light construction, etc.
- Railroad construction, maintenance, or repair
- Waterway or reservoir construction or maintenance, including dredging
- Some type of offshore oil production, maritime, shipping, or fishing activity or equipment
- Some type of inland waterway oil production, maritime, shipping, or fishing activity or equipment
- Other damaging party or activity

If on land, depth of cover at site of damage: _____ inches Don’t know Not on land

Did damage result from (check one):

- Drilling, boring, augering
- Blasting, tunnelling, mining
- Trenching, grading, backfilling
- Cultivation
- Other

Was OneCall system utilized? Yes No

Do you believe that the entity/activity is exempt from applicable One-Call statutes?

- Yes/entity is exempt
- Yes/activity is exempt
- Yes/activity is exempt, but performance of activity exceeded the limits of the exemption (depth, e.g.)
- No/ activity/entity not exempt under any circumstances

Pipeline operator's response to One-Call notification (check all that apply):

- Marked or staked centerline of pipe
- Provided on-site representation during excavation
- Excavated own line for the third party
- Pipeline operator was unaware of excavation activity
- I don't Know

Patrol frequency: Weekly Bi-weekly Other I don't Know

Was pipeline right-of-way permanently marked and visible to third party at the site?

- Yes No Don't know

Was there a job-specific excavation plan in effect? Yes No Don't know

Apparent primary cause of damage (check one):

- Failure of third party to utilize One-Call System
- Failure of third party to wait the proper time
- Failure of third party to respect pipeline company directions or procedures
- Failure of third party to take reasonable care to protect facilities
- Failure of One Call System (improper address, insufficient data provided to one call center, one call notification center error)
- Failure of pipeline operator to respond to One Call
- Failure of pipeline operator to properly mark the pipeline [you will be navigated to Part OQ]
- Failure of pipeline operator to properly monitor excavation work [you will be navigated to Part OQ]
- Other _____

Also, you will be navigated to Part DT – DIRT Module

#2 POP-UP SCREEN – PRIOR DAMAGE

Possible or probable cause of damage (check one):

- Some type of onshore construction, boring, or excavation equipment
- Some type of offshore or inland waterway oil production, maritime, shipping, or fishing activity or equipment
- Approx. water depth: _____ feet Don't know
- Other source
- There are no clues as to the possible cause

Evidence of damage (check one):

- Coating damage only
- Dent or buckle without metal loss
- Gouge or other metal loss (with or without dent or buckle)
- Other

Position of damage on pipe (check one):

- Top (10-2 o'clock position)
- Side (8-10 & 2-4 o'clock position)
- Bottom (4-8 o'clock position)

If onshore, depth of cover at site of damage: _____ inches Don't know

Also, you will be navigated to CD – Conditions Related to Release and DT – DIRT Module

#3 POP-UP SCREEN – OTHER

Cause of third party damage (check one):

- Vandalism/theft/mischief
- Sabotage
- Vehicle impact

If checked, Was vehicle driven by:

A direct employee of the operator or a contract employee engaged by the operator

If checked → retrace your steps, this is an operator error, not a third party damage

Other party

- Fire
- Other

PART CR. DETAILS WHEN CAUSE IS CORROSION

Location of corrosion: External Internal

If External Corrosion, complete the following:

Type of corrosion (check one):

- Galvanic
- Atmospheric
- Selective seam corrosion
- Microbiologically-induced corrosion
- Stress corrosion cracking
- Stray current corrosion
- Other

Facility externally coated or painted? Yes No Don't know

If Yes → Type of coating (check one):

- Coal Tar
- Tape
- Extruded plastic
- Fusion-bonded epoxy
- Paint
- Other
- Unknown

Was shielding, tenting, or disbonded coating a factor in this failure? Yes No Don't know

Was damaged coating a factor in this failure? Yes No Don't know

Was the pipeline or equipment at the site of the failure operating above 100 degrees F? Yes No Don't know

Facility under cathodic protection? Yes No Don't know

If yes, was CP: Impressed current Passive

If Yes: Year that CP was installed: _____

[The navigation to the next two questions will be restricted to spills involving pipe]

Has a Close Interval CP Survey been performed? Yes No Don't know

If Yes: Year of most recent CIS: _____

Did failure occur within or just outside of a road crossing casing? Yes No Don't know

Also, you will be navigated to CD – Conditions Related to Release

If **Internal Corrosion**, complete the following:

Flow Characteristics: How would you categorize the flow in this piece of pipe?

Continuous Intermittent No Flow Not applicable to item involved

Were inhibitors being injected, dewatering pigs run, or other internal corrosion mitigation systems or procedures employed? Yes No Don't know

If yes, year since mitigation system or procedures have been continuously employed: ____ Don't know

Also, you will be navigated to CD – Conditions Related to Release

PART PW. DETAILS WHEN CAUSE IS MATERIAL, SEAM, WELD OR REPAIR WELD FAILURE FOR PIPE OR TANK

Failure occurred due to (check one):

- Defective pipe body or tank plate material
- Defective pipe seam
- Defective girth weld
- Defective fabrication weld or repair weld
- Original construction or fabrication damage or defect
- Pipe transport damage
- Prior third party damage → Go to PART TP
- Defective tank shell seam
- Other defective weld or material

What other factors do you suspect played a role in the incident? (check all that apply)

- Fatigue crack growth
- Overpressurization *You will be navigated to CD – Conditions Related to Release*
- Ground settling or other loss of support
- Other factors
- None

PART EQ. DETAILS WHEN CAUSE IS EQUIPMENT MALFUNCTION & NON-PIPE COMPONENT FAILURE

Failure occurred due to (check one):

- Malfunction of control or relief equipment
- Stripped threads, failed or broken coupling
- Defective or loose fitting or tubing
- Seal or packing failure
- Gasket or O-ring failure
- Crack in equipment
- Other equipment or non-pipe component failure

Other factors that led to the equipment failure (check ALL that apply):

- Excessive vibration
- Breakdown of soft goods due to incompatibility with transported commodity
- Overpressurization *You will be navigated to CD – Conditions Related to Release*
- No support or loss of support
- Manufacturing defect
- Loss of electricity
- Improper installation
- Mismatched items (different manufacturer for tubing and tubing fittings)
- Dissimilar metals
- Valve vault or valve can (structure/design) contributed to the release
- Alarm/status failure
- Misalignment
- Other

PART OP. DETAILS WHEN CAUSE IS OPERATOR ERROR OR INCORRECT OPERATION

Nature of the failure (check one):

- Excavation or physical damage to facility or pipeline by operator or operator's contractor

Was the one call system utilized?

- Yes
 No
 Not applicable

Was there a job specific excavation plan in effect?

- Yes
 No
 I don't know

If on land, depth of cover at site of damage:

- ___ inches
 I don't know

Apparent cause of damage:

- Failure to use one call
 Failure to wait the proper time
 Failure to respect pipeline company directions or procedures
 Failure to take reasonable care to protect facilities
 Pipeline not properly marked in response to the locator request
 Failure to properly monitor excavation work

Also go to Part DT – DIRT Module

- Pipeline improperly marked prior to excavation which led to a third party damage incident

- Markings not done properly
 Line not located properly
 Drawings were wrong or missing information

- Valve left or placed in wrong position but **not** resulting in an overflow

- Pipeline or equipment overpressured *You will be navigated to CD – Conditions Related to Release*

- Damage by motorized vehicle not engaged in excavation

- Tank, Vessel, or Sump Overfilled or Overflowed

What is the main reason for the tank/vessel/sump overflow/overflow:

- Valve misalignment (Including valve left or placed in wrong position)
 Incorrect reference data/calculation (freeboard calculation or strapping tables, etc.)
 Miscommunication
 Inadequate monitoring
 Other

- Equipment failure related to Operator Error

- Equipment not installed properly (e.g. bolts not torqued, item installed backwards)
 Wrong equipment specified or installed (e.g., ANSI 150 gasket installed instead of 300, 10 inch instead of 12 inch, wrong service)

- Release due to Repair or Maintenance Activities

- Equipment not properly isolated from product source (double block and bleed valve leaked; pipeline isolation device such as ice plug, bag, pig, etc. not properly installed; wrong isolation valve closed)
 Drain up of equipment not complete/product unknowingly left in equipment
 Containment insufficient for task
 Error in execution during repair or maintenance activity (grinding through wall, release during tapping, etc.)

- Failure to recognize and react to abnormal operating conditions (unexplained pressure or flow rate deviation, activation of a safety device, power failure, etc.)

- Other human error Please specify _____

What was this failure related to:

- Inadequate procedure or no procedure available
 Failure to follow procedure
 Incorrect or inadequate historical reference materials

Was the individual involved:

- A direct employee of the operator
- A contract employee engaged by the operator
- I don't know

What category type was the activity that caused the release:

- Construction
- Commissioning
- Routine Maintenance (Calibrations)
- Other Maintenance (Anomaly repair, repair after a release, changing valves)
- Routine Normal operating conditions (Normal valve operations, tank receipts)
- Non-routine operating condition (unusual operations, one-time events)
- ROW Activities
- Decommissioning

How was the activity that caused the release controlled? (The activity of the party that was responsible for the release.)

- Local; individual physically present at the place of the activity
- Remotely controlled; individual is not physically present at the place of the activity

PART OQ required for all Operator Error Releases and some Third Party Damage Releases. Consult your OQ Coordinator for help with these questions.

PART OQ. OPERATOR QUALIFICATION

Was this release related to an Operator Qualification "covered task" on a regulated (DOT) facility?

- Yes [Continue with other OQ questions]
- No [finished with Part OQ]
- Not applicable (Not a PHMSA-regulated asset) [finished with part OQ]

Was the individual OQ-qualified for the task at the time the task was being performed?

- Yes

How much time had passed since the qualification date?

- less than 6 months
- 6 months – 1 year
- 1-2 years
- 2-3 years
- more than 3 years

What method of qualification was used?

- Skills evaluation
- Knowledge evaluation
- Combination
- Other or I don't know

- No, but they were under the "span of control" of a qualified individual

What was ratio of the span of control?

Ratio of ___ person to ___ person (people)

- 1 to 1
- 1 to 2
- 1 to 3
- More than 1 to 3

- No, individual was not qualified or under a "span of control"

What was the task category of the activity being performed?

- Control center operations
- Field operations
- Corrosion prevention
- Electrical and/or instrumentation tasks
- Mechanical tasks
- Maintenance (pipeline repair, etc.)
- Damage Prevention
- Other

PART NF. DETAILS WHEN CAUSE IS NATURAL FORCE DAMAGE

Which of the following Natural Forces were involved in this failure (check all that apply):

- Landslide or mudslide
- Earthquake
- Subsidence or other earth movement
- Wind, hurricane, or tornado
- Cold weather
- Frostheave
- Lightning
- Heavy rains or floods including washout
- Riverbed or seabed scouring
- Other

Did this incident result from a significant weather event?

- No
- Yes, Hurricane
- Yes, Tropical Storm
- Yes, Tornado
- Yes, Other

PART OT. DETAILS WHEN CAUSE IS "OTHER" CAUSE

Which of the following best describes this failure cause (check one):

- The cause of failure is unknown at this time
- The cause of failure could not be determined
- The cause of failure does not fit in any of the other classifications

Part CD Conditions Related to Release NOT to be completed when the facility involved is Onshore Tanks or Storage Vessels, Including Attached Appurtenances, Belowground Storage or Cavern, including Associated Equipment and Piping. Part CD NOT to be completed for Cause of Release Third Party Damage (current), Equipment Failure, Natural Force Damage or Operator Error (except for Operator Error – Overpressure).

PART CD. CONDITIONS RELATED TO RELEASE

Maximum operating pressure of failed component (psig): _____ Don't know
 Estimated pressure at time and location of failure (psig): _____ Don't know

System Tests and Inspections only to be completed when item involved is Pipe, Weld, or Valve.

System Tests and Inspections

Had there been a pressure test on the system? Yes No Don't know
 No, not applicable to item involved

If Yes → Duration of most recent test (hrs.) _____ Don't know
 Maximum pressure of most recent test (psig) _____ Don't know
 Year of most recent test _____ Don't know

Had there been an in-line internal inspection device run at the point of failure?
 Yes No Fitting or unpiggable station piping Don't know

If Yes → Type of device run (check all that apply including combination tools):
 Magnetic flux tool Year of latest in-line inspection: _____
 UT tool Year of latest in-line inspection: _____
 Geometry tool Year of latest in-line inspection: _____
 Caliper tool Year of latest in-line inspection: _____
 Crack tool Year of latest in-line inspection: _____
 Hard spot tool Year of latest in-line inspection: _____
 Other Year of latest in-line inspection: _____

Had there been a Direct Assessment conducted on this segment?
 Yes and an investigative dig was conducted at the point of failure
 Most Recent Year Conducted: / / / / /
 Yes but the point of failure was not identified as a dig site
 Most Recent Year Conducted: / / / / /
 No

Were any other integrity assessments, such as a guided wave ultrasonic, performed on this segment?
 Yes No Don't know

PART DT required for all Excavation Damage Releases including Third Party Damage Excavation Releases and Operator Error Excavation Releases.

PART DT. DIRT MODULE

Name of the person providing the information? _____

State _____

City _____

Street Address _____

Nearest Intesection _____

Right of Way where event occurred

- Pipeline
- City Street
- State Highway
- County Road
- Interstate Highway

Was this in the Right of Way?

- Yes
- No

Was the facility affected part of a joint trench?

- Yes
- No
- Unknown

Type of Excavator

- Contractor
- Farmer
- Municipality
- Occupant
- Railroad
- State
- County
- Operator/Utility
- Developer
- Data Not Collected
- Unknown/Other

Type of Excavation Equipment

- Auger/Boring/Drilling
- Backhoe/Trackhoe
- Directional Drill
- Explosives
- Farm Equipment
- Grader/Scraper
- Hand Tools
- Vacuum Equipment
- Probing Device
- Trencher
- Data Not Collected
- Unknown/Other

Type of Work Performed

- | | |
|--|---|
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Public Transit Authority |
| <input type="checkbox"/> Cable Television | <input type="checkbox"/> Railroad Maintenance |
| <input type="checkbox"/> Building Construction | <input type="checkbox"/> Road Work |
| <input type="checkbox"/> Curb/Sidewalk | <input type="checkbox"/> Sewer |
| <input type="checkbox"/> Building/Demo | <input type="checkbox"/> Site Development |
| <input type="checkbox"/> Drainage | <input type="checkbox"/> Steam |
| <input type="checkbox"/> Driveway | <input type="checkbox"/> Storm Drain/Culvert |
| <input type="checkbox"/> Electric | <input type="checkbox"/> Street Light |
| <input type="checkbox"/> Engineering/Surveying | <input type="checkbox"/> Telecommunications |
| <input type="checkbox"/> Fencing | <input type="checkbox"/> Traffic Signal |
| <input type="checkbox"/> Natural Gas | <input type="checkbox"/> Traffic Sign |
| <input type="checkbox"/> Grading | <input type="checkbox"/> Water |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Waterway Improvements |
| <input type="checkbox"/> Landscaping | <input type="checkbox"/> Miling |
| <input type="checkbox"/> Liquid Pipeline | <input type="checkbox"/> Data Not Collected |
| <input type="checkbox"/> Pole | <input type="checkbox"/> Unknown/Other |

Did the excavator notify the one call center?

- Yes No Unknown

Please list the One Call center that was notified _____

Please provide the One Call ticket number _____

Type of Locator

- Utility Owner
 Contractor Locator
 Data Not Collected
 Unknown/Other

Where facility marks visible in the area of excavation?

- Yes
 No
 Data Not Collected
 Unknown

Where facilities marked correctly?

- Yes
 No
 Data Not Collected
 Unknown

Did the damage (to the facility) or event cause an interruption in service?

- Yes
 No

If there was an interruption in service caused by damage, how long was the duration of interruption?

- Less than 1 hr
 1 to 2 hrs
 2 to 4 hrs
 4 to 8 hrs
 8 to 12 hrs
 12 to 24 hrs
 1 to 2 days
 2 to 3 days
 More than 3 days
 Data Not Collected
 Unknown
 OR Enter Exact Value _____

Root Cause?

- Locating practices not sufficient
 - Facility could not be found/located
 - Facility markings or location not sufficient
 - Facility was not located or marked
 - Incorrect facility records/maps
- One Call notification practices not sufficient
 - No notification made to the one-call center
 - Notification to the one-call center made but not sufficient
 - Wrong information provided
- Excavation practices not sufficient
 - Failure to maintain clearance with powered equipment
 - Failure to maintain the marks
 - Failure to support exposed facilities
 - Failure to use hand tools where required
 - Failure to verify location by test hole (pot holing)
 - Improper backfilling
- One call notification center error
- Abandoned facility
- Deteriorated facility
- Previous Damage
- Data Not Collected
- None of the Above, Please Explain _____

Please enter your comments (for DIRT) below!!

-----End of Part DT -----

PART LQ. LAST QUESTION:

Did you have adequate choices to tell the story of this incident?

- Yes
- No

If not, what question or answer choice would you have liked to see?

-----Survey Complete -----