Comparison of Pipeline Performance Tracking System (PPTS) and Office of Pipeline Safety RSPA 7000-1 (OPS) Reporting Forms, June 2002

	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
Note: See definitions and explanatory notes on page 15. Colored cells highlight substantive differences between PPTS and OPS.						
1.	Report Type			Part A	☐ Original Report ☐ Supplemental Report ☐ Final Report	PPTS: no equiv OPS: all reports
2.	Operator ID	Beginning	API-assigned User Name	Part A	Operator's OPS 5-digit ID Pipeline owner's OPS 5-digit ID if operator not owner Name and address of Operator	For all reports
3.	Date	DS	Date of release	Part A	Time and date of the accident Hr/month/day/year	OPS also asks for time
4.	Inter/Intra	DS	Is pipeline or facility: □ interstate □ intrastate	Part C	Is pipeline interstate? O Yes O No	Inter/Intra v Y/N; PPTS asks question for all, OPS only for Long Form
5.	Gathering	DS	Is pipeline/facility a gathering line (acc. to function not Part 195 defn.) Under Part 195 or state equiv., is it □ regulated □ unregulated			No OPS equiv.; OPS doesn't regulate rural gathering lines (≤8" Ndiam)
6.	DOT 7000-1	DS	Was or will a DOT 7000-1 report be submitted? □ Yes □ No □ Don't know			No OPS equiv. necessary.
7.	State Report	DS	Was or will a telephonic or written release report be made to any State agency? □ Yes □ No □ Don't know			OPS: no equiv.
8.	NRC Report	DS	Was a telephonic report made to the National Response Center for this incident? □ Yes □ No □ Don't know	Part A	Telephone Report NRC Report Number month/day/year	Y/N v report reference number and date
9.	Spill			Part A	Commodity Spilled O Yes O No	PPTS only covers releases. Incidents can be reportable to OPS for other reasons, e.g. injury.
10.	Commodity Type	DS	Transported commodity released (check one): HVL's etc./CO2, N2 etc./Petroleum products/Crude oil	Part A	Classification of commodity spilled: HVL's etc./CO2 etc./Petroleum products/Crude oil	Commodity class detail identical except PPTS lists N2 as well as CO2 as example for its Commodity Class 2.
11.	Commodity			Part A	Name of commodity spilled	PPTS only requires

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						commodity class
12.	Company Property	SM, CQ	Was the area affected by the release contained on the company-controlled facility (excluding right-of-way)? □ Yes □ No □ Don't know	Part C2	Location of system involved (*check all that apply*) ☐ Operator's Property ☐ Pipeline Right of Way + 1 other option (see next)	Company property info: PPTS collects for all incidents. *OPS only for larger spills*. OPS also asks about right-of-way
13.	HCA	DS	Did this release reach any "high consequence areas" (HCA's) (49 CFR Part 195.452)? □ Yes □ No □ Don't know If yes, specify HCA types (Comm navig.; High pop; Other pop; USA water; USA ecological) and whether identified/not identified in Integrity Management Program	Part C2	Location of system involved (*check all that apply*) ☐ High Consequence Area (HCA) + 2 other options (see previous) If HCA, describe	PPTS collects info on HCA for all incidents, and requires more detail. OPS asks only for larger spills.
14.	Size range	DS	Approximate size range of release: □ <1 gal sheen on water (Part SM) □ 1 gal – 4.99 bbls (Part SM) □ ≥5 bbls			OPS requires specific volume for each release; for spills <5 barrels, PPTS relies on size range alone and directs user to Part SM (Short Form)
15.	Amounts Released and Recovered	DS	Estimated size of release: _____ bbls Amount of commodity recovered: _____ bbls	Part A	Estimated amount of commodity involved : O Barrels O Gallons (check only if spill is less than one barrel) Amounts Spilled : _____ Amounts Recovered: _____	PPTS only requires specific volumes for spills of ≥5 barrels; all units are barrels. OPS requires reporting in gallons for spills <1 barrel
16.	Additional Recovery	DS	Is recovery of additional commodity anticipated? □ Yes □ No □ Don't know			No specific OPS question, but Supplemental or Final report to OPS could provide actual
17.	Segment			Part C	Line segment name/ID _____	No PPTS equiv. OPS: all larger spills
18.	Federal			Part C	Accident on Federal land other than Outer Continental Shelf O Yes O No	No PPTS equiv. OPS: all larger spills
19.	Onshore/ Offshore	DS, SM	Did release occur: □ Onshore □ Offshore	Part C	(Is pipeline) Offshore: O Yes O No	On/Off v Y/N. On 7000-1, must use detailed form for any spill to water
20.	Onshore	DS	State _____	Part A	Location of accident:	Onshore spills only. PPTS for

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	Location				Latitude; Longitude; City; County or Parish; State; Mile post/valve station or survey station no.	larger spills only; less detail than OPS
21.	Onshore Non-rural	DS, SM	Did release occur in "non-rural" area (Part 195 definition)? □ Yes □ No □ Don't know			No OPS equiv.
22.	Offshore	DS	□ Federal OCS waters □ State waters Offshore area (without block number e.g. Ship Shoal) _____ Approximate water depth: ____ feet	Part C	Area _____ Block # _____ State /___/___/ or Outer Continental Shelf ☐	Offshore spills only. PPTS for larger spills only; does not require Block #. OPS requires detailed form for all spills to water.
23.	Accident Area			Part E	Area of accident ○ Open ditch ○ Under pavement○ Above ground ○ Underground○ Under water ○ Inside/under building ○ Other ____	OPS: all larger spills PPTS: no direct equiv., but some detail in Part FA
24.	Fire	CQ, SM	Was there a fire? □ No □ Yes	Part F	Product ignited ○Yes ○ No	N/Y v Y/N. PPTS covers any fire linked to incident; OPS limits to fire involving the transported product. If fire/explosion linked to spill <5 gallons, PPTS user switched back to Long Form. Separately, may report fire or explosion to OPS (Part H4) or fire to PPTS (Part TP, Pop-up #3) as the primary cause of a Third Party accident
25.	Explosion	CQ, SM	Was there an explosion? □ No □ Yes	Part F	Explosion ○Yes ○ No	N/Y v Y/N For spill <5 gallons (Part SM), PPTS combines with prior question on fire, and participant is redirected to Long Form. See also note in previous section on Third Party accidents.
26.	Death/Injury	CQ, SM	Any deaths or injuries? □ No □ Yes			If death/injury linked to spill <5 gallons, PPTS user switched back to Long Form. Part CQ is a portal to Part PB in PPTS.

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27.	Numbers dead/injured	PB	Fatalities and/or injuries: Number of operator employees/Number of contractor employees working for the operator/Number of others/Total _____ killed _____ injured	Part F	Same as PPTS (but with slightly different wording)	All reportable incidents with a death or injury.
28.	Evacuation	CQ	Public evacuation necessary? □ No □ Yes (below)	Part F	☐ Evacuation *(general public only)* / / / / / people	Only OPS requires numbers of people evacuated
29.	Evacuation type	PB	Public evacuation undertaken (check all that apply): □ Precautionary evacuation undertaken by company □ Evacuation required by or initiated by a public official	Part F	Reason for Evacuation: Same choices as PPTS (but with slightly different wording)	
30.	Water Impact	CQ, SM	Type of water impacted (check all that apply): □ None □ Surface water, Was intake shut? □ Groundwater, Was well shut? □ Drinking water for human cons. □ Unusually environmentally sensitive drinking water source	Part F	Water Contamination: ○ Yes ○ No (*If Yes, provide the following*) Amount in water _____ barrels Ocean/Seawater ○ No○ Yes Surface ○ No ○ Yes Groundwater ○ No ○ Yes Drinking water ○ No ○ Yes *If Yes,* ○ Private well ○ Public water intake	For small releases (Part SM), PPTS asks this for onshore spills only.
31.	Ecological Impact	CQ	Type of ecology impacted (check all that apply): □ None □ Vegetation/plant life □ Fish/aquatic life (excl livestock) □ Birds (excl. livestock) □ Other wildlife (excl. livestock) □ Livestock	Part F	Wildlife Impact: Fish/aquatic ○ Yes ○ No Birds ○ Yes ○ No Terrestrial ○ Yes ○ No	All larger spills OPS is limited to wildlife impacts. PPTS also includes impacts to vegetation and livestock.
32.	Soil Contamination			Part F	Soil Contamination ○ Yes ○ No If Yes, estimated number of cubic yards: _____	No PPTS equivalent, even though has subsequent question on soil remediation.
33.	Remediation	CQ	Remediation activities undertaken related to the following (check all that apply): None needed; Vegetation /plant life; Soil; Surface water; Ground-water;	Part F	Anticipated remediation ○ Yes ○No If Yes, check all that apply: ☐ Surface water ☐ Groundwater ☐ Soil ☐ Vegetation ☐ Wildlife	PPTS refers to work done and OPS to work anticipated. PPTS breakout is more detailed.

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			Drinking water; Fish/aquatic life; Birds; Other wildlife; Livestock			
34.	Other Environmental	CQ	Were other environmental projects performed? □ No □ Yes □ Unknown *If Yes* Is it: □ Underway □ Anticipated □ Planned			PPTS: larger spills No OPS equiv
35.	Endangered Species	CQ	Were threatened or endangered species or plants injured (animal, plant, fish, or bird)? □ No □ Yes □ Don't know			PPTS: larger spills No OPS equiv
36.	Damage Assessment	CQ	Has a Natural Resources Damage Assessment been performed? □ No □ Yes □ Don't know *If Yes*, Corrective action performed or planned? □ No □ Yes	Part F	Long term impact assessment performed: ○ Yes ○ No	N/Y v Y/N Larger spills only. Only PPTS specifies NRDA and asks about corrective action
37.	Property Damage	CQ	Public or commercial property disrupted or damaged? □ No □ Yes □ Don't know *If Yes, check all that apply:* (Residential-Personal/Recreation/Bus-Comm'l/Comm'lNavig/Farm-Agric.)			No direct equiv. in OPS, but OPS Part A asks for estimated cost for damage to public/private property.
38.	Financial Losses			Part A	Losses *(Estimated)* Public/Community Losses reimbursed by operator: (property damage/emergency response/ remediation/Other) Operator Losses:(product lost/Op. property damage/Other) (specify in $ by type)	No PPTS equiv. OPS requires for all reportable spills

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	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
39.	Facility Involved	SM, FA	Part of system involved (check one) ☐Aboveground storage tank ☐Cavern/ belowground storage ☐Pump station/terminal/tankfarm piping & equipment, including sumps ☐Onshore pipeline, including valve site ☐Offshore pipeline, including platforms…..	Part C	Part of system involved in accident Same choices as PPTS plus "Other".	OPS: larger spills only. PPTS for both Short and Long Forms, but in different locations
40.	Facility Detail	FA	Part of system involved (check one main category & one subcategory) Each system category in Q.39 expanded with 2-4 subcategories e.g. ☐Aboveground storage tank ☐ Low pressure ☐pressurized			For larger spills, PPTS requires additional detail on facility where spill happened. No OPS equiv.
41.	SMYS	FA	Does facility operate above 20% SMYS? ☐ Yes ☐ No			PPTS: Large spills at pump station/terminal/ tank farm or pipeline. PPTS asks specifics only for pipe (see below). OPS: Wants specifics, not range, for all (see below)
42.	SMYS level	PI	SMYS (psi) _____ ☐ Don't know	Part D	SMYS /__/__/__/__/__/__/	PPTS: If spill covered by Q.41 is at pipe or pipe seam, needs specific SMYS OPS: All large spills
43.	Type of Failed Item	FA	Item involved (check one): ☐ Pipe/Pipe Seam ☐ Weld ☐ Valve ☐ Pump ☐ Meter Prover ☐ Scraper Trap ☐ Sump/Separator ☐ Weld Fitting ☐ Repair Fitting ☐ Threaded or Other Fitting ☐ Other	Part C	Failure occurred on O Body of Pipe O Pipe Seam O Scraper Trap O Pump O Sump O Joint O Component O Valve O Metering Facility O Repair Sleeve O Welded Fitting O Bolted Fitting O Girth Weld O Other *(specify)* _____	Differences in item lists are numerous. PPTS: Large spills involving pump station/terminal/ tank farm or pipeline. OPS: All large spills
44.	Seam Failure	PI	Was this a seam-related failure? ☐ Yes ☐ No ☐ Don't know			PPTS: Large spills involving pipe or pipe seam. 'Pipe seam' separate failure category for OPS in Q.43

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45.	Failed Item Install Date	FA	Year item was installed (actual or estimated if necessary) _____	Part C	Year the component that failed was installed: yyyy	PPTS: Large spills at pump station/terminal/ tank farm or pipeline. OPS: All large spills
46.	Pipe Details	PI	Nominal pipe size __ inches Wall thickness __ inches Type of pipe (check one): (13 options) Manufacturer ____ Year of manufacture ____	Part D	Nominal pipe size _____ in. Wall thickness _____ in. Specification _____ Seam type _____ Valve type _____ Manufactured by _____in year yyyy	PPTS: Large spill involving pipe or pipe seam. OPS: All large spills For pipe type, PPTS has 13 options; OPS has open response.
47.	Pipe Failure	PI, WL	For Pipe/Pipe Seam: Nature of failure (check one): □ Pinhole leak or crack □ Rupture □ Puncture □ Other For Girth, Fabrication or repair weld: Nature of failure (check one): □ Pinhole leak or crack □ Total separation of weldment □ Partial separation of weldment	Part C	Type of leak or rupture ○Leak: ○ Pinhole ○ Connection Fail ○ Puncture, diam. *(inches)* ____ ○Rupture: ○ Circumferential – Separation ○ Longitudinal Tear/Crack *(inches)* _____ Propagation *(feet)* _____ ○N/A ○Other _____	PPTS: Large spill from pipe/pipe seam or where girth weld, fabrication or repair weld is involved OPS: Any large spill where system failure on pipeline Only OPS asks for size detail.
48.	Release Cause	CA, TK, SM	Primary cause of release (check one): □ 3rd party damage (current/ past) □ Corrosion □ Pipe matl/seam/weld, repair weld □ Equip malfn/failure non-pipe □ Operator error/other incorrect op. □ Natural forces □ Other	Part A	Causes for small spills only (5 gallons to under 5 barrels) Matches PPTS list except *Third Party Damage* split into *Excavation* and *Other Outside Force*	PPTS uses same list of first-level causes for both small and large spills, then looks for second-level causes for larger spills. OPS does not specifically ask for first level causes for large spills, but Part H groups second level causes according to first-level list.
49.	Operating Pressure	CD	Max. op. pressure of failed comp. (psig):_____ □ Don't Know Est. pressure at time/location failure (psig):_____ □ Don't know	Part C	Max operating pressure *(MOP)* Est. at point/time accident___*PSIG* MOP at time accident: __*PSIG*	OPS: all large spills PPTS: large spills at pipeline or pump station/terminal/ tank farm excl. sumps/separators
50.	Pressure Test	CD	Had there been a pressure test on the system?	Part H	Was part which leaked pressure tested before accident occurred? ○Yes, ○No	OPS: all large spills caused by material or weld failures.

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	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
			□ Yes □ No □ Don't know *If Yes* (answer for most recent test) Duration (hrs.) ____ □ Don't know Max. press (psig) __ □ Don't know Year ____ □ Don't know		(If yes, answer following about test) Date: yr/mo/day Medium: Water/Inert Gas/Other Time held at test pressure: ___hr. Press. at accident point: ____*PSIG*	PPTS: all large spills at pipeline or pump station/terminal/ tank farm excl. sumps/separators, regardless of cause OPS seeks more test detail.
51.	Inspection Device Inspection Device (cont'd)	CD	Had an in-line internal inspection device been run at point of failure? □ Yes □ No If Yes, specify all types (High res. mag. flux; Low res. mag. flux ; UT; Geometry; Caliper; Crack; Hard spot; Other) tools run and year each last run	Part C	Is segment configured for internal inspection tools? ○Yes ○ No Had an in-line inspection device been run at point of failure? ○ Yes ○ No ○ Don't Know ○ Not Possible due to physical constraints in the system If Yes, specify ….. (This part identical to second part of PPTS question)	Both OPS and PPTS for large spills from a pipeline. PPTS: also for spills at a pump station/terminal/ tank farm excl. sumps/separators OPS allows for infeasible inspection
52.	Initial Leak Detection	CD	Was the release initially detected by? (Check one) CPM/SCADA; Remote operator. personnel; Pressure/leak test; Local op personnel/Proc/equip; Air/ground surveillance; Third party; Other	Part G	Identical to PPTS question	OPS: all large spills PPTS: large spills at pipeline or pump station/terminal/ tank farm excl. sumps/separators
53.	Leak Confirmation	CD	Was the presence of the release confirmed by? (Check one) (Same list as in prior question)			PPTS: large spills at pipeline or pump station/terminal/ tank farm excl. sumps/separators No OPS equiv.
54.	Detection Tool Performance	CD	Did the applied leak detection tools 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			PPTS: large spills at pipeline or pump station/terminal/ tank farm excl. sumps/separators No OPS equiv.
55.	Leak Duration			Part G	Estimated leak duration days ____ hours ____	OPS: All Large spills No PPTS equiv
56.	Computer-based Capability			Part G	Computer based leak detection capability in place? ○ Yes ○ No	OPS: All Large spills No direct PPTS equiv.
57.	Federal Control	CD	Did the Federal Government take control			PPTS: large spills at pipeline

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			of the response? □ Yes □ No □ Don't know			or pump station/terminal/ tank farm excl. sumps/seps No OPS equiv.
58.	Isolation Isolation (cont'd)	CD	Was there an isolation? □ Yes □ No *(if No, skip remainder of section)* Approx. distance between valves closed for initial isolation? ____ miles □ Don't know How long from release detection/ confirmation to initial isolation? ____ mins □ Don't know Approx. distance between valves closed for final isolation, if needed? ____ miles □ Don't know How long from release detection/ confirmation to final isolation? ____ mins □ Don't know	Part C	Type of block valve used for isolation of immediate section: Upstream/Downstream Manual/ Automatic/Remote Control/ Check Valve Length of segment isolated ___ ft Distance between valves ____ ft	OPS: large spills from a pipeline PPTS: spills ≥ 50 barrels that involve a pipeline. OPS assumes any pipeline incident involves an isolation. OPS focus is equipment and distance; PPTS focus is time and distance
59.	Weld Failure	WL	Nature of failure (check one): □ Pinhole leak or crack □ Total separation of weldment □ Partial separation of weldment Was this an acetylene weld? □ Yes □ No □ Don't know			PPTS: large spills "involving a weld, including heat-affected zone" No OPS equiv.
60.	AST Release	TK	Description of failure (check one): Single Bottom System; Double Bottom System; Shell or Head; Overfill/overpressure (Operator error/ Equipment malfunction/ Other); Appurtenance (Roof drain failure/Other); Damage by Third Party/Operator/Natural Force; Other Was this a catastrophic failure? □ Yes □ No □ Don't know			PPTS: Large spills from aboveground storage tanks OPS: No equiv.
61.	AST Testing	TK	Tank hydrotested/pressure tested upon construction or major repair? Bottom cathodically protected? internally			PPTS: Large spills from aboveground storage tanks OPS: No direct equiv., but

	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
			lined/coated? Year most recent API 653 internal tank inspectn. and shell thickness external tank inspectn. (or equiv)			pressure test question in section on material and weld failure, H5
62.	Type Third Party Damage	TP	Failure occurred due to (check one): □ 3rd party excavation/constrn etc. at time □ Prior 3rd party excvn/constn. □ Other (vandalism, 3rd party vehicle contact with facility, other intentional/ unintentional acts)	Part H3/H4	Excavation Damage ☐ Operator [not Third Party] ☐ Third Party Other Outside Force Damage ☐ Rupture of Prev. Damaged Pipe + fire/expl, vehicle, vandalism	PPTS has three broad categories (Excavation at the time, Prior excavation, other). OPS has two broad categories (Excavation and Other), with Rupture of Prev. Dmgd Pipe a subcategory in Other.
63.	Third Party Excavation	TP	Damaging party or activity (check one): Pipeline operator; Underground facility operator (7 subclasses); Agriculture; Homeowner; Resid/comml dev; Road; Railroad; Waterway/reservoir; Offshore; Inland waterway; Other	Part H3	Excavator group: ○ General Public ○ Government ○ Excavator not Op./subcontractor Type: Road; Pipeline; Water; Electric; Sewer; Phone/Cable; Landowner; Farming; Railroad; Pipeline op/ subcontractor; Nautical Ops; Other (specify)	PPTS: large spills due 3rd party activity at time failure OPS: large spills due 3rd party excavation Only OPS identifies broad excavator group: Gen'l Public/ Gov't / Excavator. Excavation types not identical, but will largely allow comparison.
64.	Depth of Cover	TP, TP	If on land, depth cover at damage site: _____ inches □ Don't know	Part E	Depth of cover: _____ inches	PPTS: large spills due 3rd party activity (Q for both concurrent and prior damage) OPS: all large spills
65.	Type of Excavation	TP	Did damage result from(check one): □ Drilling, boring, augering □ Blasting, tunnelling, mining □ Trenching, grading, backfilling □ Other	Part H3	Excavation was: ○ Open Trench ○ Sub-strata (boring, directional drilling, etc…)	PPTS: large spills due 3rd party at time accident. OPS: large spills due 3rd party excavation. PPTS 4 poss, OPS 2
66.	One-Call	TP	Was OneCall system utilized? □ None Available □ Yes □ No Pipeline oper's response to One-Call notifcn. (check all that apply): Marked centerline; On-site during excvn; Excv. line for 3rd party; Unaware excvn. (Patrol frequency: Weekly/Bi-	Part H3	Excavation was ongoing (≥month) ○Yes mm/dd/yyyy ○ No Prior notification of excavation? ○ Yes mm/dd/yyyy; ○ No Notification received from: ○ One Call System ○ Excavator ○ Contractor ○ Landowner	PPTS: large spills due 3rd party at time accident. OPS: large spills due 3rd party excavation. PPTS does not ask about duration of excavation; OPS allows for other than One Call notification; PPTS asks

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			weekly/Other) Pipeline ROW permanently marked and visible to 3rd party at site? □ Yes □ No □ Don't know Job-specific excvn. plan in effect? □ Yes □ No □ Don't know		Was pipeline marked as result of location request for excavation? ○ No ○ Yes *(Temporary (how?) Permanent; Accurate/Inaccurate; within required time)*	additional detail about response to One-Call and about patrol frequency [if unaware excavation].
67.	Cause for 3rd Party damage at time failure	TP	Apparent primary cause of damage (check one): □ Failure of 3rd party to: Use One-Call; Wait; Respect pipeline directions/proc; Protect facilities □ Failure of pipeline operator to respond/properly mark pipeline □ Other			PPTS: large spills due 3rd party at time accident. OPS: no equiv. .
68.	Cause Prior 3rd Party Damage	TP	Poss cause damage (check one): □ Onshore constrn/excvn equip. □ Offshore/inland waterway activity Approx. water depth: ___ft □ Other □ No clues to cause			PPTS: large spills due prior 3rd party activity. OPS: no equiv.
69.	Evidence Of Prior Damage	TP	Evidence of damage (check one): Coating; Dent/buckle w/o metal loss; Gouge/metal loss; Other Posn damage on pipe (check one): Top (10-2 o'clock); Side (8-10 & 2-4 o'clock); Bottom (4-8 o'clock)			PPTS: large spills due prior 3rd party activity. OPS: No direct equiv.
70.	Cause Other 3rd Party Damage	TP	Cause 3rd party damage (check one): Vandalism/theft/mischief; Sabotage; Vehicle (not driven by op employee); Other party; Fire Other	Part H4	☐ Fire/Explosion: ○ Man made ○ Natural ☐ Vehicle unrelated to excavation damaging pipe ☐ Rupture of Previously Damaged Pipe ☐ Vandalism	PPTS: large non-work related 3rd party spills OPS: Large spills (sub set of primary cause options) No direct OPS equiv. to PPTS Sabotage; Part H4 is the place to report Rupture of Prev. Dmgd Pipe as a cause in OPS; no add'l detail
71.	Corrosion Location	CR	Location of corrosion □ External □ Internal	Part H1	☐ External Corrosion ☐ Internal Corrosion	PPTS: large non-AST spills due corrosion OPS: Large spills (sub set of primary cause options)

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72.	Corrosion Near Prior Damage			Part H1	Pipe previously damaged in area of corrosion? ○ No ○ Yes *If yes*, time prior to accident:: __years __months Unknown ☐	PPTS: No equiv. OPS: Large spills from pipeline due to corrosion
73.	External Corrosion	CR	Type of corrosion (check one): Galvanic; Microbiologically-induced; Atmospheric; Stress corrosion cracking; Stray current Selective seam; Other	Part H1	Cause of Corrosion Same as PPTS options + "Cathodic Protection Disrupted"	PPTS: large non-AST spills due external corrosion OPS: Large spills due any corrosion No "CP Disrupted" question in PPTS.
74.	Cathodic Protection	CR	Facility under cathodic protection? □ Yes □ No □ Don't know Year CP installed: _____ Close Interval Survey performed? □ Yes □ No □ Don't know Year of most recent CIS: _____	Part H1	Was corroded part of pipeline under cathodic protection prior to discovering accident? ○ No ○ Yes Year Protection Started yyyy	PPTS: large non-AST spills due external corrosion OPS: Large spills due any corrosion No CIS question in OPS
75.	Coating	CR	Facility externally coated/painted? □ Yes □ No □ Don't know Type (check one): Coal Tar; Tape; Extruded plastic; Fusion-bonded epoxy; Paint; Other; Unknown Was shielding/tenting/ 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	Part H1	Pipe Coating ○ Bare ○ Coated	PPTS: large non-AST spills due external corrosion OPS: Large spills due any corrosion PPTS asks for much more detail on coatings, coating defect and coating failures
76.	Operating Temperature	CR	Was pipeline or equipment at site of failure operating > 100 degrees F? □ Yes □ No □ Don't know			PPTS: large non-AST spills due external corrosion. OPS: no equiv.
77.	Visible Corrosion			Part H1	Visual Examination ○ Localized Pitting ○ General Corrosion ○ Other _____	PPTS: No equiv. OPS: Large spills from pipeline due to corrosion
78.	Road Crossing	CR	Did failure occur within or just outside of a road crossing casing? □ Yes □ No □ Don't know			PPTS: large non-AST spills due external corrosion. OPS: no equiv.

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	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
79.	Internal Corrosion Mitigation	CR	Were Internal corrosion mitigation systems/procedures used, e.g. inhibitors, dewatering pigs run □ Yes □ No □ Don't know If yes, continuous since: yyyy			PPTS: large non-AST spills due internal corrosion. OPS: no equiv.
80.	Type of Pipe Failure	PI		Part H5	☐ Body of Pipe: Dent; Gouge; Bend; Arc Burn; Other ☐ Component: Valve; Fitting; Vessel; Extruded Outlet; Other ☐ Joint: Gasket; O-Ring; Threads; Other	PPTS: No direct equiv.; but some detail asked in Part FA. PPTS asks about evidence of damage if accident due to Prior TP Damage OPS: Large spills due to material or weld failure (sub set of primary cause options)
81.	Type of Weld Failure	PI	Type of pipe (check one): Seamless; Flash welded; Spiral welded SAW; ERW; Butt-welded; Spiral welded ERW; Single SAW; Lap-welded; Plastic/non-metallic; DSAW; Continuous welded; Other; Unknown	Part H5	☐ Butt: Pipe; Fabrication; Other ☐ Fillet: Branch; Hot Tap; Fitting; Repair Sleeve; Other ☐ Pipe Seam: LF ERW; DSAW; Seamless; Flash Weld; HF ERW; SAW; Spiral; Other	PPTS: Pipe seam question in Part PI; No PPTS detail for "butt" or "fillet" categories. OPS: Large spills (sub set of primary cause options) Differences in seam choices.
82.	Cause of Pipe or Weld Failure	PW	Failure due to (check one): □ Defective pipe body □ Defective pipe seam □ Defective girth weld □ Defective fabn/repair weld □ Orig constn/fabn damage/defect □ Pipe transport damage □ Prior third party damage □ Other defective weld or material	Part H5	Type of failure/defect: ○ Construction: Poor Work; Procedure not followed; Poor Constn Procedure. ○ Material Was failure due to pipe damage during transport to constn/fabn site? ○ Yes ○ No	PPTS: large non-AST spills due pipe/weld failure OPS: Large spills with primary cause pipe/weld failure [Significant differences in structure of questions here]
83.	Other factors; Overpressurization	PW	What other factors do you suspect played a role in the incident? (check all that apply) □Fatigue crack growth; □Over-pressurization; □Ground settling/loss support; □Other factors; □None	Part C	Did an overpressurization occur relating to the accident? ○Yes ○ No	PPTS: large spills caused by pipe material or weld failure. PPTS also asks about overpressurization for incidents due to Operator Error OPS: all large spills; no detail on fatigue crack growth, etc. [Differences again]

Comparison of PPTS and OPS Reporting Forms, June 2002

	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
84.	Cause of Equipment Failure Equip. Failure (cont'd)	EQ	Failure due to (check one): □ Malfunction control/relief equip □ Stripped threads, defective/loose fitting/tubing, failed coupling □ Seal/packing failure □ Gasket/O-ring failure □ Other equip/non-pipe failure	Part H6	☐ Malfunction Control/Relief Equip: Control valve; SCADA; Instrumentation; Communication; Block valve; Relief valve; Power failure; Other ☐ Threads Stripped, Broken Pipe Coupling: Nipples; Valve Threads; Dresser Couplings; Other ☐ Seal Failure: Gasket; O-Ring; Seal/Pump Packing; Other	PPTS: large non-AST spills caused by equipment failure OPS: Large spills with primary cause equip. failure OPS asks for sub-category detail PPTS defective/loose fitting/tubing has no specific OPS equiv
85.	Operator Error - Excavation	OP	Nature of failure (check one): □ Excvn or damage to facility/ pipeline by operator/subcontractor There are 5 others [see below]	Part H3	☐ Operator Excavation Damage (including their contractors/Not Third Party)	PPTS: large non-AST spills caused by Operator Error OPS: Large spills with primary cause Excavation Damage
86.	Operator Error - Other	OP	Nature of failure (check one): □ Excvn or damage to facility/ pipeline by operator/subcontractor □ Valve left/placed in wrong posn. □ Pipeline/equip overpressured □ Motor Vehicle □ Tank overfilled □ Other human error	Part H7	☐ Incorrect Operation Type: ○ Inadequate Procedures ○ Inadequate Safety Practices ○ Failure to Follow Procedures ○ Other _____	PPTS: large non-AST spills caused by Operator Error OPS: Large spills with primary cause Incorrect Operation Differences in choices
87.	Direct Employee	OP	Was the individual involved: □ Direct employee of operator □ Contract employee engaged by the operator			PPTS: large non-AST spills caused by Operator Error OPS: no equiv.
88.	Drug Test			Part H7	Number of employees involved who failed a post-accident test: drugs: _____ alcohol: _____	PPTS: no equiv. OPS: Large spills caused by incorrect operation
89.	Natural Force Damage	NF	Which Natural Forces were involved in this failure (check all that apply): □ Landslide or mudslide □ Earthquake □ Subsidence/other earth movement □ Wind, hurricane, or tornado □ Cold weather □ Frostheave □ Lightning □ Heavy rains/floods incl. washout	Part H2	Natural Forces ☐ Earth Movement: Earthquake; Subsidence; Landslide; Other ___ ☐ Lightning ☐ Heavy Rains/Floods: Wash-outs; Flotation; Mudslide; Scouring; Other; ___ ☐ Temperature: Thermal stress; Frost heave; Frozen components; Other ___ ☐ High Winds	PPTS: large non-AST spills caused by Natural Forces OPS: large spills with primary cause Natural Force Options are similar but not identical, e.g. PPTS combines landslide & mudslide; subsidence & other earth movement.

Comparison of PPTS and OPS Reporting Forms, June 2002

	Item Description	PPTS Part	PPTS Language	OPS Section	OPS Language	Comparison Notes
			□ Riverbed or seabed scouring □ Other			
90.	Other Causes	OT	Which of following best describes this failure cause (check one): □ Unknown at this time □ Could not be determined □ Does not fit in any of the other classifications	Part H8	OTHER ☐ Miscellaneous; *describe* ____ ☐ Unknown ○ Investigation Complete ○ Still Under Investigation *(submit supplemental report when complete)*	PPTS: large non-AST spills caused by OPS: large spills with primary cause Other OPS provides indication of where revisions likely. Also allows for more detail on the unusual
91.	Feedback	Feedback	Allows user to suggest improvements to Record Release form			PPTS: continuously available as menu item OPS: no equiv
92.	Narrative			Part I	Narrative description of factors contributing to the event	PPTS: no equiv OPS: all large spills

Notes:
The term "larger spills" or "large spills" for both PPTS and OPS refers to those that must report detailed information on a "Long Form." For PPTS, these incidents involve a release of 5 barrels or more, or a death, an injury, a fire or an explosion. For OPS, these incidents include the same thresholds as PPTS, plus any spill to water.
"AST": Aboveground Storage Tank; "Non-AST": any system part other than an Aboveground Storage Tank

PPTS Reporting Form

01/01/02 ***New changes are shown in Bold, Italic, and Red***

RELEASE RECORD – HAZARDOUS LIQUID PIPELINE FACILITY

API-assigned User Name _____ (back)

PART DS. DESCRIPTION OF RELEASE

Date of release: __/__/__ (back)

Is pipeline or facility: ☐ interstate
☐ intrastate (back)

Is pipeline or facility: ☐ a gathering line (based on function, not Part 195 definition)
If so, is it ☐ regulated under Part 195 or its state equivalent
☐ unregulated under Part 195 (back)

Was or will a DOT 7000-1 report be submitted? ☐ Yes ☐ No ☐ Don't know (back)

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

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

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 (back)

Did this release reach any "high consequence areas" (49 CFR Part 195.452)? [note: to be added in new PPTS system]
☐ Yes ☐ No ☐ Don't know

If yes, specify below the types of HCA's affected 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 affected, leave blank.

Commercially navigable waterway	***☐ identified***	***☐ not identified***
High population area	***☐ identified***	***☐ not identified***
Other populated area	***☐ identified***	***☐ not identified***
Unusually Sensitive Area – Water	***☐ identified***	***☐ not identified***
Unusually Sensitive Area – Ecological	***☐ identified***	***☐ not identified*** ***(back)***

Approximate size range of release: ☐ <1 gal sheen on water → *PART SM*
☐ 1 gal – 4.99 bbls → *PART SM*
☐ ≥5 bbls (back)

Estimated size of release: _____ bbls

Amount of commodity recovered: _____ bbls (back)

Is recovery of additional commodity anticipated? ☐ Yes ☐ No ☐ Don't know (back)

Did release occur: ☐ Onshore ☐ Offshore (back)

PPTS Reporting Form

State _____ (back) Did release occur in “non-rural” area (Part 195 definition)? □ Yes □ No □ Don’t know (back)	□ Federal OCS waters □ State waters Offshore area (without block number e.g. Ship Shoal) _____ Approximate water depth: _____ feet (back)

PPTS Reporting Form

PART CQ. CONSEQUENCE OF RELEASE

Was there a fire? ☐ No ☐ Yes (back)

Was there an explosion? ☐ No ☐ Yes (back)

Any deaths or injuries? ☐ No ☐ Yes *If Yes* ⟶ *Complete also PART PB* (back)

Public evacuation necessary? ☐ No ☐ Yes *If Yes* ⟶ *Complete also PART PB* (back)

Was the area affected by the release contained on the company-controlled facility (excluding right-of-way)?
☐ Yes ☐ No ☐ Don't know (back)

Type of water impacted (check all that apply): (back)
☐ None
☐ 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 (excluding livestock)
☐ Birds (excluding livestock)
☐ Other wildlife (excluding livestock)
☐ Livestock such as commercially raised fish, animals, birds and other livestock (back)

Remediation activities undertaken related to the following (check all that apply):
☐ None needed
☐ Vegetation/plant life
☐ Soil
☐ Surface water
☐ Groundwater
☐ Drinking water for human consumption
☐ Fish/aquatic life
☐ Birds
☐ Other wildlife (excluding livestock)
☐ Livestock such as commercially raised fish, animals, birds and other livestock (back)

Were other environmental projects performed which are not listed above?
☐ No ☐ Yes ☐ Unknown at this time
If Yes ⟶ Is it: ☐ Underway ☐ Anticipated ☐ Planned (back)

Were threatened or endangered species or plants injured (animal, plant, fish, or bird)?
☐ No ☐Yes ☐ Don't know (back)

PPTS Reporting Form

Has a Natural Resources Damage Assessment been performed? □ No □ Yes □ Don't know
If Yes → Corrective action performed or planned? □ No □ Yes (back)

Public or commercial property disrupted or damaged? □ No □ Yes □ Don't know
If Yes, check all that apply:
□ Homes and/or personal property
□ Businesses/commercial
□ Farming/agricultural business (back)
□ Recreational resources
□ Commercial navigation

PART FA. FACILITY INVOLVED

Part of system involved (check one main category and one subcategory):

□ Aboveground storage tank
- □ Atmospheric or Low Pressure
- □ Pressurized

→ *Go to PART TK, for Cause of Release*

□ Cavern or other belowground storage facility
- □ Sub-surface facility
- □ Wellhead equipment

□ Pump/meter station; terminal/tank farm piping & equipment, including sumps
Does facility operate above 20% SMYS? □ Yes □ No (SMYS back only)
- □ Aboveground equipment or pipe
- □ Belowground equipment or pipe
- □ At aboveground/belowground transition

□ Onshore pipeline, including valve sites
Does facility operate above 20% SMYS? □ Yes □ No (SMYS back only)
- □ Belowground equipment or pipe
- □ At unintentional exposure of buried pipe
- □ At designed aboveground/belowground transition
- □ Aboveground equipment or pipe

□ Offshore pipeline, including platforms
Does facility operate above 20% SMYS? □ Yes □ No (SMYS back only)
- □ Shoreline crossing or shore approach
- □ Below water
- □ Splash zone
- □ Above water (back)

PPTS Reporting Form

If Station/Terminal/Tank Farm, Onshore Pipeline, or Offshore Pipeline, 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
- ☐ Pump
- ☐ Meter/Prover
- ☐ Scraper Trap
- ☐ Sump/Separator
- ☐ Weld Fitting
- ☐ Repair Fitting
- ☐ Threaded or Other Fitting
- ☐ Other (back)

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

PART CA. CAUSE OF RELEASE

Primary cause of release (check one):

☐ Third party damage (current or past)	*PART TP*
☐ Corrosion	*PART CR*
☐ Pipe material, pipe seam, pipe weld or repair weld failure	*PART PW*
☐ Equipment malfunction or failure of non-pipe component	*PART EQ*
☐ Operator error or other incorrect operation	*PART OP*
☐ Natural forces	*PART NF*
☐ Other	*PART OT* (back)

Part CD NOT to be completed when the facility involved is an Aboveground Storage Tank, a Cavern or Other Belowground Storage Facility, or Sumps/Separators.

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 (back)

System Tests and Inspections

Had there been a pressure test on the system? ☐ Yes ☐ No ☐ Don't know

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 (back)

Had there been an in-line internal inspection device run at the point of failure?

☐ Yes ☐ No

If Yes → Type of device run (check all that apply including combination tools):

☐ High resolution magnetic flux tool	Year of latest in-line inspection: _____
☐ Low resolution 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: _____ (back)

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 (back)

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 (back)

Did the applied leak detection tools 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 (back)

Emergency Response

Did the Federal Government take control of the response? □ Yes □ No □ Don't know (back)

If: 1) the volume released is greater than or equal to 50 bbls; and 2) the release involved an Onshore or Offshore Pipeline, complete "Isolation Response" section below:

Isolation Response

Was there an isolation? □ Yes □ No *(if No, skip remainder of section)*

What is the approximate distance between valves which were closed for the initial isolation?

_____ miles □ Don't know

How long did it take from release detection/confirmation to perform this initial isolation?

_____ minutes □ Don't know

What is the approximate distance between valves which were closed for the final isolation, if needed? _____ miles □ Don't know

How long did it take from release detection/confirmation to perform this final isolation, if needed?

_____ minutes □ Don't know (back)

PPTS Reporting Form

These instructions should appear as one of the first screens the User sees upon entering the Release Record program

Feedback or Suggested Improvements

This section describes a feature which is built into the database program which allows you to provide valuable feedback and suggested improvements to this Release Record Form "online". As you enter the data, a "Feedback" menu item is continuously available to you. This menu item can be activated while you are entering data for any data field. It will then allow you to make either: 1) a comment relating to that particular data field; or, 2) a more general comment relating to the overall database program. Selecting the "Feedback" menu item will activate the following pop-up screen where you will be able to register your feedback or suggested improvements:

- ☐ General comment on overall database program
- ☐ A definition is needed for this term
- ☐ The definition which exists is not clear enough
- ☐ This data element or question is not appropriate
- ☐ This data element or question needs to be stated more clearly
- ☐ A new data element or question needs to be added
- ☐ Other feedback or suggested improvement

Explain your selection above:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Definitions – Terms contained in the Release Record program should be bolded to indicate that a definition and/or explanation is available via a pop-up screen. (back)

PPTS Reporting Form

POP-UP SCREEN FOR SMALL RELEASES

PART SM. SHORT FORM FOR SMALL RELEASES

Any deaths or injuries? ☐ No ☐ Yes *If Yes* ~~*return to*~~ *Long Form* (back)

Fire or explosion? ☐ No ☐ Yes *If Yes* ~~*return to*~~ *Long Form* (back)

Did release occur: ☐ Onshore ☐ Offshore (back)

If onshore:

Was the area affected by the release contained on the company-controlled facility (excluding right-of-way)?
☐ Yes ☐ No ☐ Don't know (back)

Did release occur in "non-rural" area (Part 195 definition)? ☐ Yes ☐ No ☐ Don't know (back)

Type of water impacted (check all that apply):

- ☐ None
- ☐ 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)*** (back)

Part of system involved (check one):

- ☐ Aboveground storage tank
- ☐ Cavern or other belowground storage facility
- ☐ Pump/meter station; terminal/tank farm piping & equipment, including sumps
- ☐ Onshore pipeline, including valve sites
- ☐ Offshore pipeline, including platforms (back)

Cause of release (check one):

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

PPTS Reporting Form

POP-UP SCREEN FOR DETAILS OF PUBLIC SAFETY CONSEQUENCES

PART PB. DETAILS OF PUBLIC SAFETY CONSEQUENCES

Fatalities and/or injuries:

Number of operator employees	_____ killed	_____ injured
Number of contractor employees working for the operator	_____ killed	_____ injured
Number of others	_____ killed	_____ injured
Total	_____ killed	_____ injured (back)

Public evacuation undertaken (check all that apply):

- ☐ Precautionary evacuation undertaken by company
- ☐ Evacuation required by or initiated by a public official (back)

PPTS Reporting Form

POP-UP SCREENS WHEN PIPE OR WELDS ARE INVOLVED

PART PI. DETAILS WHEN PIPE IS INVOLVED (back)

Nominal pipe size _____ inches ☐ Don't know

Wall thickness _____ inches ☐ Don't know

SMYS (psi) _____ ☐ Don't know (SMYS back only)

Type of pipe (check one):

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

Manufacturer (if known) _____ ☐ Don't know

Year of manufacture (if known) _____ ☐ Don't know (back)

Was this a seam-related failure? ☐ Yes ☐ No ☐ Don't know (back)

Nature of failure (check one):

- ☐ Pinhole leak or crack
- ☐ Rupture
- ☐ Puncture
- ☐ Other (back)

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

Nature of failure (check one): (back)

- ☐ Pinhole leak or crack
- ☐ Total separation of weldment
- ☐ Partial separation of weldment

Was this an acetylene weld? ☐ Yes ☐ No ☐ Don't know (back)

PPTS Reporting Form

POP-UP SCREENS FOR ABOVEGROUND STORAGE TANKS

PART TK. CAUSE OF RELEASE – ABOVEGROUND STORAGE TANKS (back)

Description of failure (check one):

- ☐ Single Bottom System failure
- ☐ Double Bottom System failure
- ☐ Shell or Head failure
- ☐ Overfill/overpressure (check one)
  - ☐ Operator error
  - ☐ Equipment malfunction
  - ☐ Other
- ☐ Appurtenance failure (check one)
  - ☐ Roof drain failure
  - ☐ Other
- ☐ Damage by Third Party → *Go to PART TP*
- ☐ Damage by Operator → *Go to PART OP*
- ☐ Damage by Natural Force → *Go to PART NF*
- ☐ Other failure

Was this a catastrophic failure? ☐ Yes ☐ No ☐ Don't know (back)

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

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 (back)

PPTS Reporting Form

POP-UP SCREENS FOR THIRD PARTY DAMAGE

PART TP. 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 occuring 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* (back)

#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

□ Other underground facility operator or their contractor (check one):
- □ Power or electric company
- □ Gas distribution
- □ Cable television
- □ Telecommunications
- □ Water utility
- □ Sewer utility
- □ Other industry or party

□ 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 (back)

If on land, depth of cover at site of damage: _____ inches □ Don't know (back)

Did damage result from(check one):
- □ Drilling, boring, augering
- □ Blasting, tunnelling, mining
- □ Trenching, grading, backfilling
- □ Other (back)

Was OneCall system utilized? □ None Available □ Yes □ No

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
Patrol frequency: □ Weekly □ Bi-weekly □ Other

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 (back)

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 pipeline operator to respond or to properly mark the pipeline
□ Other (back)

#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 (back)

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 (back)

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 (back)

#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 (back)
□ Other (back)

PPTS Reporting Form

POP-UP SCREENS FOR CORROSION

PART CR. CORROSION

Location of corrosion: □ External □ Internal (back)

If External Corrosion, complete the following:

Type of corrosion (check one):

□ Galvanic
□ Atmospheric
□ Stray current corrosion
□ Other (back)
□ Microbiologically-induced corrosion
□ Stress corrosion cracking
□ Selective seam corrosion

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 (back)

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

Facility under cathodic protection? □ Yes □ No □ Don't know
Year that CP was installed: _____

Has a Close Interval CP Survey been performed? □ Yes □ No □ Don't know
Year of most recent CIS: _____ (back)

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

If Internal Corrosion, complete the following:

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

Year since mitigation system or procedures have been continuously employed:
_____ □ Don't know (back)

PPTS Reporting Form

POP-UP SCREENS FOR PIPE & MATERIAL FAILURES AND EQUIPMENT & OPERATIONS FAILURES

PART PW. DETAILS OF PIPE, PIPE MATERIAL, & WELD FAILURE

Failure occurred due to (check one):

- ☐ Defective pipe body
- ☐ 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*
- ☐ Other defective weld or material (back)

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

- ☐ Fatigue crack growth
- ☐ Overpressurization
- ☐ Ground settling or other loss of support
- ☐ Other factors
- ☐ None (back)

PART EQ. DETAILS OF EQUIPMENT & NON-PIPE COMPONENT FAILURE

Failure occurred due to (check one):

- ☐ Malfunction of control or relief equipment
- ☐ Stripped threads, defective or loose fitting or tubing, failed coupling
- ☐ Seal or packing failure
- ☐ Gasket or O-ring failure
- ☐ Other equipment or non-pipe component failure (back)

PPTS Reporting Form

POP-UP SCREENS FOR NATURAL FORCE DAMAGE AND OTHER CAUSES

PART OP. 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 (back)
- □ Valve left or placed in wrong position
- □ Pipeline or equipment overpressured
- □ Motor Vehicle
- □ Tank overfilled
- □ Other human error (back)

Was the individual involved:

- □ A direct employee of the operator
- □ A contract employee engaged by the operator (back)

PART NF. 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 (back)

PART OT. 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 (back)

OPS Reporting Form (RSPA 7000-1)

NOTICE: This report is required by 49 CFR Part 195. Failure to report can result in a civil penalty not to exceed $25,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $500,000 as provided in 49 USC 60122

Form Approved
OMB No. 2137-0047

U.S. Department of Transportation
Research and Special Programs Administration

ACCIDENT REPORT – HAZARDOUS LIQUID PIPELINE SYSTEMS

Report Date _____
No. _____
(DOT Use Only)

INSTRUCTIONS

Important: *Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the Office Of Pipeline Safety Web Page at http://ops.dot.gov.*

PART A – GENERAL REPORT INFORMATION Check: ☐ **Original Report** ☐ **Supplemental Report** ☐ **Final Report** (back)

1. a. Operator's OPS 5-digit Identification Number (if known) /___/___/___/___/___/
2. b. If Operator does not own the pipeline, enter Owner's OPS 5-digit Identification Number (if known) /___/___/___/___/___/
   c. Name of Operator_____
   d. Operator street address _____
   e. Operator address _____ (back)
   City, County, State and Zip Code

IMPORTANT: IF THE SPILL IS SMALL, THAT IS, THE AMOUNT IS AT LEAST 5 GALLONS BUT IS LESS THAN 5 BARRELS, COMPLETE THIS PAGE ONLY, UNLESS THE SPILL IS TO WATER AS DESCRIBED IN 49 CFR §195.52(A)(4) OR IS OTHERWISE REPORTABLE UNDER §195.50 AS REVISED IN CY 2001.

2. Time and date of the accident (back)

/___/___/___/___/ hr. /___/___/ month /___/___/ day /___/___/ year

3. Location of accident
   (If offshore, do not complete a through d. See Part C.1)

   a. Latitude: _____ Longitude: _____
   (if not available, see instructions for how to provide specific location)
   b. _____
   City, and County or Parish
   c. _____
   State and Zip Code
   d. Mile post/valve station ○ or survey station no. ○
   (whichever gives more accurate location)
   _____(back)

4. Telephone report (back)

/___/___/___/___/___/___/___/ NRC Report Number /___/___/ month /___/___/ day /___/___/ year

5. Losses *(Estimated)*

Public/Community Losses reimbursed by operator:

Public/private property damage $_____
Cost of emergency response phase $_____
Cost of environmental remediation $_____
Other Costs $_____
(describe) _____

Operator Losses:

Value of product lost $_____
Value of operator property damage $_____
Other Costs $_____
(describe) _____
Total Costs $_____
(back)

6. Commodity Spilled ○Yes ○ No (back)
(If Yes, complete Parts a through c where applicable)
   a. Name of commodity spilled (back)_____
   b. Classification of commodity spilled: (back)
      ○ HVLs /other flammable or toxic fluid which is a gas at ambient conditions
      ○ CO_2 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

c. Estimated amount of commodity involved :
○ **Barrels**
○ **Gallons (check only if spill is less than one barrel)**
Amounts:
Spilled : _____
Recovered: _____ (back)

CAUSES FOR SMALL SPILLS ONLY (5 gallons to under 5 barrels) : ***(For large spills [5 barrels or greater] see Part H)***

○ **Corrosion** ○ **Natural Forces** ○ **Excavation Damage** ○ **Other Outside Force Damage**

○ **Material and/or Weld Failures** ○ **Equipment** ○ **Incorrect Operation** ○ **Other** (back)

PART B – PREPARER AND AUTHORIZED SIGNATURE

_____ _____
(type or print) Preparer's Name and Title — Area Code and Telephone Number

_____ _____
Preparer's E-mail Address — Area Code and Facsimile Number

_____ _____ _____
Authorized Signature — (type or print) Name and Title — Date — Area Code and Telephone Number

OPS Reporting Form (RSPA 7000-1)

PART C – ORIGIN OF THE ACCIDENT (Check all that apply)

1. Additional location information
   a. Line segment name or ID _____ (back)
   b. Accident on Federal land other than Outer Continental Shelf ○ Yes ○ No (back)
   c. Is pipeline interstate? ○ Yes ○ No (back)

Offshore: ○ Yes ○ No (back) *(complete d if offshore)*
d. Area _____ Block # _____
State /___/___/ or Outer Continental Shelf ☐ (back)

2. Location of system involved (*check all that apply*)
   ☐ Operator's Property
   ☐ Pipeline Right of Way
   ☐ High Consequence Area (HCA)?
   Describe HCA_____ (back)

3. Part of system involved in accident
   ○ Above Ground Storage Tank
   ○ Cavern or other below ground storage facility
   ○ Pump/meter station; terminal/tank farm piping and equipment, including sumps
   ○ Other *Specify:* _____
   ○ Onshore **pipeline**, including valve sites
   ○ Offshore **pipeline**, including platforms (back)

*If failure occurred on **Pipeline**, complete items a - g:*

4. Failure occurred on
   ○ Body of Pipe ○ Pipe Seam ○ Scraper Trap
   ○ Pump ○ Sump ○ Joint
   ○ Component ○ Valve ○ Metering Facility
   ○ Repair Sleeve ○ Welded Fitting ○ Bolted Fitting
   ○ Girth Weld
   Other *(specify)* _____ (back)
   Year the component that failed was installed: /___/___/___/___/ (back)

5. Maximum operating pressure *(MOP)*
   a. Estimated pressure at point and time of accident: _____ *PSIG*
   b. MOP at time of accident: _____*PSIG* (back)
   c. Did an overpressurization occur relating to the accident? ○Yes ○ No (back)

a. Type of leak or rupture
   ○Leak: ○ Pinhole ○ Connection Failure *(complete sec. H5)*
   ○ Puncture, diameter *(inches)* _____
   ○Rupture: ○ Circumferential – Separation
   ○ Longitudinal – Tear/Crack, length *(inches)* _____
   Propagation Length, total, both sides *(feet)* _____
   ○N/A
   ○Other _____ (back)

b. Type of block valve used for isolation of immediate section:
   Upstream: ☐ Manual ☐ Automatic ☐ Remote Control ☐ Check Valve
   Downstream: ☐ Manual ☐ Automatic ☐ Remote Control ☐ Check Valve

c. Length of segment isolated _____ ft
d. Distance between valves _____ ft (back)
e. Is segment configured for internal inspection tools? ○Yes ○ No
f. Had there been an in-line inspection device run at the point of failure? ○ Yes ○ No ○ Don't Know
   ○ Not Possible due to physical constraints in the system
g. If *Yes*, type of device run (*check all that apply*)
   ☐ High Resolution Magnetic Flux tool Year run: _____
   ☐ Low Resolution Magnetic Flux tool Year run: _____
   ☐ UT tool Year run: _____
   ☐ Geometry tool Year run: _____
   ☐ Caliper tool Year run: _____
   ☐ Crack tool Year run: _____
   ☐ Hard Spot tool Year run: _____
   ☐ Other tool Year run: _____ (back)

PART D – MATERIAL SPECIFICATION

1. Nominal pipe size *(NPS)* /___/___/___/___/ in.
2. Wall thickness /___/___/___/___/ in.
3. Specification _____ SMYS /___/___/___/___/___/ (back)
4. Seam type _____
5. Valve type _____
6. Manufactured by _____ in year /___/___/___/___/ (back)

PART E – ENVIRONMENT

1. Area of accident
   ○ Under pavement ○ In open ditch
   ○ Underground ○ Above ground
   ○ Inside/under building ○ Under water
   ○ Other _____ (back)
2. Depth of cover: _____ inches (back)

PART F – CONSEQUENCES

[continuation of Page 2 of 4]

1. Consequences *(check and complete all that apply)*

a.	Fatalities	Injuries
Number of operator employees:		
Contractor employees working for operator:		
General public:		
Totals: (back)		

c. Product ignited ○Yes ○ No (back) d. Explosion ○Yes ○ No (back)
e. ☐ Evacuation *(general public only)* /___/___/___/___/ people (back)
Reason for Evacuation:
○ Precautionary by company
○ Evacuation required or initiated by public official (back)

b. Was pipeline/segment shutdown due to leak? ○Yes ○ No
If Yes, how long? _____ days _____ hours _____ minutes
f. Elapsed time until area was made safe: /___/___/ hr. /___/___/ min.

2. Environmental Impact

a. Wildlife Impact: Fish/aquatic ○ Yes ○ No
Birds ○ Yes ○ No
Terrestrial ○ Yes ○ No (back)
b. Soil Contamination ○ Yes ○ No
If Yes, estimated number of cubic yards: _____ (back)
c. Long term impact assessment performed: ○ Yes ○ No (back)
d. Anticipated remediation ○ Yes ○ No
If Yes, check all that apply: ☐ Surface water ☐ Groundwater ☐ Soil ☐ Vegetation ☐ Wildlife (back)

e. Water Contamination: ○ Yes ○ No (*If Yes, provide the following*)
Amount in water _____ barrels
Ocean/Seawater ○ No ○ Yes
Surface ○ No ○ Yes
Groundwater ○ No ○ Yes
Drinking water ○ No ○ Yes (*If Yes, check below.*) (back)
○ Private well ○ Public water intake

PART G – LEAK DETECTION INFORMATION

1. Computer based leak detection capability in place? O Yes O No (back)

2. Was the release initially detected by? (check one):
O CPM/SCADA-based system with leak detection
O Static shut-in test or other pressure or leak test
O Local operating personnel, procedures or equipment
O Remote operating personnel, including controllers
O Air patrol or ground surveillance
O A third party O Other (specify) _____ (back)

3. Estimated leak duration days ____ hours ____ (back)

PART H – APPARENT CAUSE

Important: *There are 25 numbered causes in this Part H. Check the box corresponding to the primary cause of the accident. Check one circle in each of the supplemental categories corresponding to the cause you indicate. See the instructions for guidance.*(back)

H1 – CORROSION

1. ☐ External Corrosion

2. ☐ Internal Corrosion (back)

(Complete items a – e where applicable.)

a. Pipe Coating
O Bare
O Coated (back)

b. Visual Examination
O Localized Pitting
O General Corrosion
O Other _____ (back)

c. Cause of Corrosion
O Galvanic O Atmospheric
O Stray Current O Microbiological
O Cathodic Protection Disrupted
O Stress Corrosion Cracking
O Selective Seam Corrosion
O Other _____ (back)

d. Was corroded part of pipeline considered to be under cathodic protection prior to discovering accident?
O No O Yes, Year Protection Started: /___/___/___/___/ (back)

e. Was pipe previously damaged in the area of corrosion?
O No O Yes ⇒ Estimated time prior to accident: /___/___/ *years* /___/___/ *months* *Unknown* ☐ (back)

H2 – NATURAL FORCES

3. ☐ Earth Movement ⇒ O Earthquake O Subsidence O Landslide O Other _____
4. ☐ Lightning
5. ☐ Heavy Rains/Floods ⇒ O Washouts O Flotation O Mudslide O Scouring O Other _____
6. ☐ Temperature ⇒ O Thermal stress O Frost heave O Frozen components O Other _____
7. ☐ High Winds (back)

H3 – EXCAVATION DAMAGE

8. ☐ Operator Excavation Damage (including their contractors/Not Third Party) (back)
9. ☐ Third Party *(complete a-f)* (below)

a. Excavator group
O General Public O Government O Excavator other than Operator/subcontractor

b. Type: O Road Work O Pipeline O Water O Electric O Sewer O Phone/Cable
O Landowner-not farming related O Farming O Railroad
O Other liquid or gas transmission pipeline operator or their contractor
O Nautical Operations O Other _____ (back)

c. Excavation was: OOpen Trench O Sub-strata (boring, directional drilling, etc…) (back)

d. Excavation was an ongoing activity (Month or longer) OYes O No If Yes, Date of last contact /___/___/___/

e. Did operator get prior notification of excavation activity?
O Yes; Date received: /___/___/ mo. /___/___/ day /___/___/___/___/ yr. O No
Notification received from: O One Call System O Excavator O Contractor O Landowner

f. Was pipeline marked as result of location request for excavation? O No O Yes *(If Yes, check applicable items i - iv)*
i. Temporary markings: O Flags O Stakes O Paint
ii. Permanent markings: O
iii. Marks were (check one) : O Accurate O Not Accurate
iv. Were marks made within required time? O Yes O No (back)

H4 – OTHER OUTSIDE FORCE DAMAGE

10. ☐ Fire/Explosion as primary cause of failure ⇒ Fire/Explosion cause: O Man made O Natural (back)
11. ☐ Car, truck or other vehicle not relating to excavation activity damaging pipe
12. ☐ Rupture of Previously Damaged Pipe (back)
13. ☐ Vandalism (back)

H5 – MATERIAL AND/OR WELD FAILURES

Material

14.☐ Body of Pipe ⇒ ○ Dent ○ Gouge ○ Bend ○ Arc Burn ○ Other _____
15.☐ Component ⇒ ○ Valve ○ Fitting ○ Vessel ○ Extruded Outlet ○ Other _____
16.☐ Joint ⇒ ○ Gasket ○ O-Ring ○ Threads ○ Other _____ (back)

Weld

17.☐ Butt ⇒ ○ Pipe ○ Fabrication ○ Other _____
18.☐ Fillet ⇒ ○ Branch ○ Hot Tap ○ Fitting ○ Repair Sleeve ○ Other _____
19.☐ Pipe Seam ⇒ ○ LF ERW ○ DSAW ○ Seamless ○ Flash Weld
○ HF ERW ○ SAW ○ Spiral ○ Other _____ (back)

*Complete a-g if you indicate **any** cause in part H5.*

a. Type of failure:
○ Construction Defect ⇒ ○ Poor Workmanship ○ Procedure not followed ○ Poor Construction Procedures
○ Material Defect

b. Was failure due to pipe damage sustained in transportation to the construction or fabrication site? ○ Yes ○ No (back)

c. Was part which leaked pressure tested before accident occurred? ○ Yes, *complete d-g* ○ No

d. Date of test: /___/___/___/___/ yr. /___/___/ mo. /___/___/ day

e. Test medium: ○ Water ○ Inert Gas ○ Other _____

f. Time held at test pressure: /___/___/ hr.

g. Estimated test pressure at point of accident: _____ *PSIG* (back)

H6 – EQUIPMENT

20. ☐ Malfunction of Control/Relief Equipment ⇒ ○ Control valve ○ Instrumentation ○ SCADA ○ Communications
○ Block valve ○ Relief valve ○ Power failure ○ Other _____
21. ☐ Threads Stripped, Broken Pipe Coupling ⇒ ○ Nipples ○ Valve Threads ○ Dresser Couplings ○ Other _____
22. ☐ Seal Failure ⇒ ○ Gasket ○ O-Ring ○ Seal/Pump Packing ○ Other _____ (back)

H7 – INCORRECT OPERATION

23. ☐ Incorrect Operation
a. Type: ○ Inadequate Procedures ○ Inadequate Safety Practices ○ Failure to Follow Procedures
○ Other _____ (back)

b. Number of employees involved who failed a post-accident test: drug test: /___/___/___/ alcohol test /___/___/___/ (back)

H8 – OTHER

24. ☐ Miscellaneous, *describe:* _____
25. ☐ Unknown
○ Investigation Complete ○ Still Under Investigation *(submit a supplemental report when investigation is complete)* (back)

PART I – NARRATIVE DESCRIPTION OF FACTORS CONTRIBUTING TO THE EVENT *(Attach additional sheets as necessary)* *(back)*