INFRASTRUCTURE INFORMATION YEAR 2016

PPTS collects infrastructure data on more than just DOT assets. Collecting the number of miles and facilities that are not DOT regulated will allow for better normalization of release data as well as a greater amount of relevant data, facilitating greater accuracy in analyses.

The general rule is this: if the pipe can spill a transported liquid commodity, you should report the mileage. If a pipeline segment has been idled but still contains a transported liquid commodity, it should be included in your reports. If it has been idled and purged – i.e., no longer contains transported commodity – you should exclude it. Please note: the PHMSA Form 7000-1.1 requires you to report idled pipe whether it still contains product or not. [Key words: idle, inactive.]

PART A - OPERATOR INFORMATION

The operator is the person **(as defined in 49 CFR 195.2) who exercises substantial control over the operation of the pipeline.*

REPORT YEAR	

1. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER (OPIDs)
1
2
3
4
5
6
7
8

2. NAME OF OPERATOR	

3. PLEASE SELECT COMMODITY GROUP BASED ON PREDOMINANT COMMODITY CARRIED
___ Crude Oil
___ Refined and/or Petroleum Product (non-HVL)
___ HVL

___ CO2
___ Fuel Grade Ethanol (dedicated system)

4. FOR THE DESIGNATED COMMODITY GROUP, THE PIPELINES AND/OR PIPELINE FACITLITES INCLUDED WITHIN THIS OPID ARE

SELECT ONE OR BOTH

State	INTERstate pipeline	INTRAstate pipeline
Alabama		
Alaska		
Arizona		
Arkansas		
California		
Colorado		
Connecticut		
Delaware		
Florida		
Georgia		
Hawaii		
Idaho		
Illinois		
Indiana		
Iowa		
Kansas		
Kentucky		
Louisiana		
Maine		
Maryland		
Massachusetts		
Michigan		
Minnesota		
Mississippi		
Missouri		
Montana		
Nebraska		
Nevada		
New Hampshire		
New Jersey		
New Mexico		
New York		
North Carolina		
North Dakota		

Ohio		
Oklahoma		
Oregon		
Pennsylvania		
Rhode Island		
South Carolina		
South Dakota		
Tennessee		
Texas		
Utah		
Vermont		
Virginia		
Washington		
West Virginia		
Wisconsin		
Wyoming		
Washington DC		

PART B - MILES OF PIPE BY LOCATION AND COMMODITY TRANSPORTED

1. TOTAL SEGMENT MILES THAT COULD AFFECT HCAs ONLY	
Total number of miles operated Onshore	
Total number of miles operated Offshore	
Total system mileage (Onshore + Offshore)	

2. TOTAL CRUDE MILES	
a. Total number of miles in unregulated crude oil gathering service (excepted by 195.1.b.4)	
b. Total number of miles in DOT-regulated onshore crude oil gathering service (those that are within populated areas and fall under all of Part 195)	
c. Total number of miles in DOT-regulated offshore crude oil gathering service	
d. Total number of miles in rural DOT-regulated crude oil gathering service (regulated under 195.11)	
e. Total number of miles in crude oil service other than gathering (main lines)	
f. Total number of miles in crude oil service (Line 2a + Line 2b + Line 2c + Line 2d + Line 2e)	
ALL OTHER MILES – MILES OF REFINED PRODUCT, HVL, CO2, N2, ETHANOL, BIOFUEL	

g. Total number of miles in refined products service (liquids at ambient temperature)	
h. Total number of miles in HVL service (gases at ambient pressure and temperature)	
i. Total number of miles in CO2, N2, or other non-flammable, non-toxic fluid (gases at ambient temperature)	
j. Total number of miles in ethanol service	
k. Total number of miles in bio-fuel service other than ethanol (e.g. biodiesel)	
l. Of the mileage reported in question 2k, how many miles of pipe transport ethanol in batches or ethanol blends.	

PART C - VOLUME TRANSPORTED IN BARREL-MILES

3a. Total volume in barrel-miles of crude oil moved in unregulated gathering systems	
3b. Total volume in barrel-miles of crude oil moved in systems other than unregulated gathering systems	
3. Total volume in barrel-miles of crude oil service (Line 3a + Line 3b)	
3c. Total volume in barrel-miles of HVLs or other flammable or toxic fluid which is a gas at atmospheric conditions	
3d. Total volume in barrel-miles of gasoline or other petroleum product which is a liquid at ambient conditions	
3e. Total volume in barrel-miles of CO2, N2 or other nonflammable, non-toxic fluid which is a gas at ambient conditions	
3f. Total volume in barrel-miles of ethanol	
3g. Total volume in barrel-miles of bio-fuels other than ethanol	

ONSHORE TOTAL BARREL-MILES	
Crude Oil	
Refined Product (non-HVL)	
HVL	
CO2	
Fuel Grade Ethanol (dedicated systems)	

OFFSHORE TOTAL BARREL-MILES	
Crude Oil	
Refined Product (non-HVL)	
HVL	
CO2	
Fuel Grade Ethanol (dedicated systems)	

TOTAL BARREL-MILES (ONSHORE + OFFSHORE)	
Crude Oil	
Refined Product (non-HVL)	
HVL	
CO2	
Fuel Grade Ethanol (dedicated systems)	

PART D - MILES OF PIPE BY MATERIAL AND CORROSION PREVENTION STATUS

Onshore Steel Cathodically protected Bare Miles	
Onshore Steel Cathodically protected Coated Miles	
Onshore Steel Cathodically unprotected Bare Miles	
Onshore Steel Cathodically unprotected Coated Miles	
Onshore Plastic Miles	
Onshore Other Miles	
Onshore Total Miles (Bare, Coated, Plastic, Other)	

Offshore Steel Cathodically protected Bare Miles	
Offshore Steel Cathodically protected Coated Miles	
Offshore Steel Cathodically unprotected Bare Miles	
Offshore Steel Cathodically unprotected Coated Miles	
Offshore Plastic Miles	
Offshore Other Miles	
Offshore Total Miles (Bare, Coated, Plastic, Other)	

Total Miles Steel Cathodically protected Bare Miles	
Total Miles Steel Cathodically protected Coated Miles	
Total Miles Steel Cathodically unprotected Bare Miles	
Total Miles Steel Cathodically unprotected Coated Miles	
Total Plastic Miles	
Total Other Miles	
Total Miles (Bare, Coated, Plastic, Other)	

PART E - MILES OF ELECTRIC RESISTANCE WELDED (ERW) PIPE BY WELD TYPE AND DECADE

High Frequency Unknown Miles	
High Frequency Pre-1940 Miles	
High Frequency 1940 - 1949 Miles	
High Frequency 1950 - 1959 Miles	
High Frequency 1960 - 1969 Miles	
High Frequency 1970 - 1979 Miles	
High Frequency 1980 - 1989 Miles	
High Frequency 1990 - 1999 Miles	
High Frequency 2000 - 2009 Miles	
High Frequency 2010 - 2019 Miles	
High Frequency Total Miles	

Low Frequency and DC Unknown Miles	
Low Frequency and DC Pre-1940 Miles	
Low Frequency and DC 1940 - 1949 Miles	
Low Frequency and DC 1950 - 1959 Miles	
Low Frequency and DC 1960 - 1969 Miles	
Low Frequency and DC 1970 - 1979 Miles	
Low Frequency and DC 1980 - 1989 Miles	
Low Frequency and DC 1990 - 1999 Miles	
Low Frequency and DC 2000 - 2009 Miles	
Low Frequency and DC 2010 - 2019 Miles	
Low Frequency and DC Total Miles	

Total Unknown Miles	
Total Pre-1940 Miles	
Total 1940 - 1949 Miles	
Total 1950 - 1959 Miles	
Total 1960 - 1969 Miles	
Total 1970 - 1979 Miles	
Total 1980 - 1989 Miles	
Total 1990 - 1999 Miles	
Total 2000 - 2009 Miles	
Total 2010 - 2019 Miles	
Total ERW Miles	

PART F – INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION

1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS	
a. Corrosion or metal loss tools	
b. Dent or deformation tools	
c. Crack or long seam defect detection tools	
d. Any other internal inspection tools, specifically other tools:	
e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d)	

2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS	
a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation	
b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within a segment that could affect an HCA and outside of a segment that could affect an HCA.	
c1. Total number of conditions repaired WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "Immediate repair condition." [195.452(h)(4)(i)]	
c2. Total number of conditions repaired WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "60-day condition." [195.452(h)(4)(ii)]	
c3. Total number of conditions repaired WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "180-day condition" [195.452(h)(4)(iii)]	
c. Total number of conditions repaired WITHIN A SEGMENT THAT COULD AFFECT AN HCA (Lines c1 + c2 + c3)	

3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING	
a. Total mileage inspected by pressure testing in calendar year	
b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within a segment that could affect HCA and outside of a segment that could affect affect an HCA	
c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA.	
d. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA.	

4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON ECDA (EXTERNAL CORROSION DIRECT ASSESSMENT)	
a. Total mileage inspected by ECDA in calendar year	
b. Total number of anomalies identified by ECDA and repaired in calendar year based on the operator's criteria, both within a segment that could affect an HCA and outside of a segment that could affect an HCA.	
c1. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "Immediate repair condition." [195.452(h)(4)(i)]	
c2. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "60-day condition." [195.452(h)(4)(ii)]	
c3. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "180-day condition" [195.452(h)(4)(iii)]	
c. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA (Lines c1 + c2 + c3)	

5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES)	
a. Total mileage inspected by inspection techniques other than those listed above in calendar year.	
b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within a segment that could affect an HCA and outside of a segment that could affect an HCA.	
c1. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "Immediate repair condition." [195.452(h)(4)(i)]	
c2. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "60-day condition." [195.452(h)(4)(ii)]	
c3. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA meeting the definition of: "180-day condition" [195.452(h)(4)(iii)]	
c. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA (Lines c1 + c2 + c3)	

6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR	
a. Total mileage inspected in calendar year	
b. Total number of anomalies repaired in calendar year both within a segment that could affect an HCA and outside of a segment that could affect an HCA.	
c. Total number of conditions repaired in calendar year WITHIN A SEGMENT THAT COULD AFFECT AN HCA.	

d. Total number of actionable anomalies eliminated by pipe replacement in calendar year that could affect an HCA.	
e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year that could affect an HCA.	

PART G - MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR

SEGMENT MILES THAT COULD AFFECT HCAs ONLY	
a. Baseline assessment miles completed during the calendar year	
b. Reassessment miles completed during the calendar year	
c. Total assessment and reassessment miles completed during the calendar year	

PART H - ONSHORE AND OFFSHORE MILES OF PIPE BY NOMINAL PIPE SIZE (NPS)

PART H - ONSHORE MILES OF PIPE BY NOMINAL PIPE SIZE (NPS)	
NPS 4 OR LESS	
6	
8	
10	
12	
14	
16	
18	
20	
22	
24	
26	
28	
30	
32	
34	
36	
38	
40	
42	

44	
46	
48	
50	
52	
54	
56	
58 AND OVER	
OTHER PIPE SIZES NOT LISTED (SIZE)	
OTHER PIPE SIZES NOT LISTED (MILES)	
TOTAL MILES OF ONSHORE PIPE	

PART H - OFFSHORE MILES OF PIPE BY NOMINAL PIPE SIZE (NPS)	
NPS 4 OR LESS	
6	
8	
10	
12	
14	
16	
18	
20	
22	
24	
26	
28	
30	
32	
34	
36	
38	
40	
42	
44	
46	
48	
50	
52	

54	
56	
58 AND OVER	
OTHER PIPE SIZES NOT LISTED (SIZE)	
OTHER PIPE SIZES NOT LISTED (MILES)	
TOTAL MILES OF OFFSHORE PIPE	

PART I - MILES OF PIPE BY DECADE INSTALLED

UNKNOWN	
PRE-1920s	
1920 - 1929	
1930 - 1939	
1940 - 1949	
1950 - 1959	
1960 - 1969	
1970 - 1979	
1980 - 1989	
1990 - 1999	
2000 - 2009	
2010 - 2019	
TOTAL MILES	

PART J - MILES OF PIPE BY SPECIFIED MINIMUM YIELD STRENGTH

Pipeline Segments Subject to ALL 49 CFR 195 Requirements

Rural Low-Stress Pipeline Segments Subject ONLY to Subpart B of 49 CFR 195

Onshore Steel Pipe - Operating at greater than 20% SMYS	
Non-Rural Onshore Steel Pipe - Operating at less than or equal to 20% SMYS	
Rural Onshore Steel Pipe - Operating at less than or equal to 20% SMYS	
Non-Rural Onshore Steel Pipe - Operating at an unknown stress level	
Rural Onshore Steel Pipe - Operating at an unknown stress level	
Non-Rural Onshore Non-Steel Pipe - Operating at greater than 125 psig	
Rural Onshore Non-Steel Pipe - Operating at greater than 125 psig	
Non-Rural Onshore Non-Steel Pipe - Operating at less than or equal to 125 psig	
Rural Onshore Non-Steel Pipe - Operating at less than or equal to 125 psig	
Offshore Steel Pipe - Operating at greater than 20% SMYS	
Offshore Steel Pipe - Operating at less than or equal to 20% SMYS	
Offshore Steel Pipe - Operating at an unknown stress level	
Offshore Non-Steel Pipe - Operating at greater than 125 psig	
Offshore Non-Steel Pipe - Operating at less than or equal to 125 psig	
Rural Low-Stress Steel Pipe - Operating at less than or equal to 20% SMYS	
Rural Low-Stress Steel Pipe - Operating at an unknown stress level	
Rural Low-Stress Non-Steel Pipe - Operating at less than or equal to 125 psig	
Total Miles of Steel Pipe - Operating at greater than 20% SMYS	
Total Miles of Steel Pipe - Operating at less than or equal to 20% SMYS	
Total Miles of Steel Pipe - Operating at unknown stress level	
Total Miles of Non-Steel Pipe - Operating at greater than 125 psig	
Total Miles of Non-Steel Pipe - Operating at less than or equal to 125 psig	
TOTAL MILES OF ONSHORE PIPE	
TOTAL MILES OF OFFSHORE PIPE	
TOTAL MILES OF RURAL LOW-STRESS PIPE	
TOTAL MILES	

PART K - MILES OF REGULATED GATHERING LINES

Non-Rural Onshore Steel Pipe - Operating at greater than 20% SMYS	
Rural Onshore Steel Pipe - Operating at greater than 20% SMYS	
Non-Rural Onshore Steel Pipe - Operating at less than or equal to 20% SMYS	
Non-Rural Onshore Non-Steel Pipe - Operating at greater than 125 psig	
Rural Onshore Non-Steel Pipe - Operating at greater than 125 psig	
Non-Rural Onshore Non-Steel Pipe - Operating at less than or equal to 125 psig	

Offshore Steel Pipe - Operating at greater than 20% SMYS	
Offshore Steel Pipe - Operating at less than or equal to 20% SMYS	
Offshore Non-Steel Pipe - Operating at greater than 125 psig	
Offshore Non-Steel Pipe - Operating at less than or equal to 125 psig	

Total Miles of Steel Pipe - Operating at greater than 20% SMYS	
Total Miles of Steel Pipe - Operating at less than or equal to 20% SMYS	
Total Miles of Non-Steel Pipe - Operating at greater than 125 psig	
Total Miles of Non-Steel Pipe - Operating at less than or equal to 125 psig	

Total Non-Rural Onshore Miles	
Total Rural Onshore Miles	
Total Offshore Miles	
Total Miles	

PART L - TOTAL SEGMENT MILES THAT COULD AFFECT HIGH CONSEQUENCE AREAS (HCAs)

Onshore High Population	
Onshore Other Population	
Onshore USA Drinking Water	
Onshore USA Ecological Resource	
Onshore Commercially Navigable Waterways	
Onshore Total Segment Miles That Could Affect HCAs	

Offshore USA Ecological Resource	
Offshore Commercially Navigable Waterways	
Offshore Total Segment Miles That Could Affect HCAs	

PART M - BREAKOUT AND NON-DOT TANKS

BREAKOUT DOT TANKS

Crude Oil Total Number of DOT Tanks Less than or equal to 50,000 Bbls	
Crude Oil Total Number of DOT Tanks 50,001 to 100,000 Bbls	
Crude Oil Total Number of DOT Tanks 100,001 to 150,000 Bbls	
Crude Oil Total Number of DOT Tanks Over 150,000 Bbls	
Total Number of Crude Oil DOT Tanks	

Refined and/or Petroleum Product (non-HVL) Total Number of DOT Tanks Less than or equal to 50,000 Bbls	
Refined and/or Petroleum Product (non-HVL) Total Number of DOT Tanks 50,001 to 100,000 Bbls	
Refined and/or Petroleum Product (non-HVL) Total Number of DOT Tanks 100,001 to 150,000 Bbls	
Refined and/or Petroleum Product (non-HVL) Total Number of DOT Tanks Over 150,000 Bbls	
Total Number of Refined and/or Petroleum Product (non-HVL) DOT Tanks	

HVL Total Number of DOT Tanks Less than or equal to 50,000 Bbls	
HVL Total Number of DOT Tanks 50,001 to 100,000 Bbls	
HVL Total Number of DOT Tanks 100,001 to 150,000 Bbls	
HVL Total Number of DOT Tanks Over 150,000 Bbls	
Total Number of HVL DOT Tanks	

CO2 Total Number of DOT Tanks Less than or equal to 50,000 Bbls	
CO2 Total Number of DOT Tanks 50,001 to 100,000 Bbls	
CO2 Total Number of DOT Tanks 100,001 to 150,000 Bbls	
CO2 Total Number of DOT Tanks Over 150,000 Bbls	
Total Number of CO2 DOT Tanks	

Fuel Grade Ethanol (dedicated system) Total Number of DOT Tanks Less than or equal to 50,000 Bbls	
Fuel Grade Ethanol (dedicated system) Total Number of DOT Tanks 50,001 to 100,000 Bbls	
Fuel Grade Ethanol (dedicated system) Total Number of DOT Tanks 100,001 to 150,000 Bbls	
Fuel Grade Ethanol (dedicated system) Total Number of DOT Tanks Over 150,000 Bbls	
Total Number of Fuel Grade Ethanol (dedicated system) DOT Tanks	

NON-DOT TANKS

Crude Oil Total Number of NON-DOT Tanks Less than or equal to 50,000 Bbls	
Crude Oil Total Number of NON-DOT Tanks 50,001 to 100,000 Bbls	
Crude Oil Total Number of NON-DOT Tanks 100,001 to 150,000 Bbls	
Crude Oil Total Number of NON-DOT Tanks Over 150,000 Bbls	
Total Number of Crude Oil NON-DOT Tanks	
Refined and/or Petroleum Product (non-HVL) Total Number of NON-DOT Tanks Less than or equal to 50,000 Bbls	
Refined and/or Petroleum Product (non-HVL) Total Number of NON-DOT Tanks 50,001 to 100,000 Bbls	
Refined and/or Petroleum Product (non-HVL) Total Number of NON-DOT Tanks 100,001 to 150,000 Bbls	
Refined and/or Petroleum Product (non-HVL) Total Number of NON-DOT Tanks Over 150,000 Bbls	
Total Number of Refined and/or Petroleum Product (non-HVL) NON-DOT Tanks	
HVL Total Number of NON-DOT Tanks Less than or equal to 50,000 Bbls	
HVL Total Number of NON-DOT Tanks 50,001 to 100,000 Bbls	
HVL Total Number of NON-DOT Tanks 100,001 to 150,000 Bbls	
HVL Total Number of NON-DOT Tanks Over 150,000 Bbls	
Total Number of HVL NON-DOT Tanks	
CO2 Total Number of NON-DOT Tanks Less than or equal to 50,000 Bbls	
CO2 Total Number of NON-DOT Tanks 50,001 to 100,000 Bbls	
CO2 Total Number of NON-DOT Tanks 100,001 to 150,000 Bbls	
CO2 Total Number of NON-DOT Tanks Over 150,000 Bbls	
Total Number of CO2 NON-DOT Tanks	
Fuel Grade Ethanol (dedicated system) Total Number of NON-DOT Tanks Less than or equal to 50,000 Bbls	
Fuel Grade Ethanol (dedicated system) Total Number of NON-DOT Tanks 50,001 to 100,000 Bbls	
Fuel Grade Ethanol (dedicated system) Total Number of NON-DOT Tanks 100,001 to 150,000 Bbls	
Fuel Grade Ethanol (dedicated system) Total Number of NON-DOT Tanks Over 150,000 Bbls	
Total Number of Fuel Grade Ethanol (dedicated system) NON-DOT Tanks	