

HAZARDOUS LIQUID PIPELINE SYSTEMS DATA FROM PHMSA

	2012 ⁽¹⁾	2011 ⁽²⁾	2009	2006
Total Miles of HL Pipelines	184,643.76	182,757.43	175,965.48	166,718.88
Miles of Onshore	180,094.84	177,588.45	171,047.57	160,489.39
Miles Offshore	4,564.02	5,183.30	4,928.09	6,391.26
Volume in barrels Moved by Commodity				
Crude Oil	1,953,754,536,674.40	1,813,724,820,343.73	1,641,886,317,181.34	1,841,836,325,244.23
Refined Product	1,885,194,453,817.79	1,602,429,055,541.49	1,528,716,217,054.76	1,565,764,069,693.27
HVLs	880,890,012,508.28	538,938,318,581.59	628,214,867,814.57	439,768,625,100.02
CO2 ⁽³⁾	4,160,187,936,985.97	1,932,408,447,349.94	1,828,901,268,837.00	1,014,171,689,844.00
CO2 and other ⁽³⁾	N/A	N/A	1,828,661,838,306.50	1,013,270,910,025.48
Fuel Grade Ethanol ⁽⁴⁾	40173706.86	50,699,780.00	N/A	N/A
Anhydrous ammonia only ⁽⁴⁾	N/A	N/A	8,381,485,176.84	11,351,289,825.89
Total miles that could affect a High Consequence Area (HCA)	77,972.97	78,285.74	77,222.58	73,467.60
High Population Area Miles	23,273.28	23,296.50	N/A	N/A
Other Population Area miles	35,006.61	37,808.85	N/A	N/A
Drinking Water miles	31,319.97	31,532.66	N/A	N/A
Ecological Resource Miles	29,501.72	29,234.61	N/A	N/A
Commercially Navigable Waterway Miles	7,190.42	7,242.46	N/A	N/A
Total Miles of Steel Pipe	184,584.29	182,750.56	175,965.17	166,718.99
Miles of coated Cathodically Protected pipe	181,091.14	179,430.80	172,354.14	162,977.31
Miles of bare Cathodically Protected pipe	2,603.89	2,472.09	2,916.88	2,846.62
Miles of coated NOT Cathodically Protected pipe	716.76	720.85	595.37	523.18
Miles of bare NOT Cathodically Protected pipe	172.51	126.82	98.79	371.89
Miles of LF & DC Electric Resistance Welded (ERW) pipe	52,726.67	52,376.75	53,823.84	48,924.64
Miles of HF ERW pipe	73,713.35	71,508.86	66,345.48	62,982.49
Total miles inspected using all methods	93,726.20	86,044.04	78,061.86	66,427.54
Total number repairs made based on all methods	26,280.00	25,167.00	15,530.40	15,391.00
Total number repairs made based on all methods that could affect an HCA	4,746.00	3,768.00	4,132.00	4,549.00
Total Miles of In Line Inspections (ILI)	86,809.17	79,219.21	71,149.01	60,709.60
Corrosion or metal loss tools	35,047.98	33,960.81	32,065.30	28,049.73
Dent or deformation tools	35,909.28	35,495.07	30,879.86	30,784.57
Crack or long seam defect detection tools	11,839.89	7,384.81	7,870.47	1,805.21
Any other internal inspection tools	4,012.02	2,378.52	333.38	108.10
Total repairs made based on ILI ⁽⁵⁾	26,163.00	24,803.00	13,752.00	16,550.00
Total miles inspected by pressure testing	4,869.25	4,052.28	5,885.08	5,000.70
Total repairs made based on pressure testing ⁽⁶⁾	86.00	156.00	74.40	88.00
Total miles inspected by ECDA	161.77	343.14	N/A	N/A
Total repairs made based on ECDA	1.00	197.00	N/A	N/A
Total miles inspected using "other" methods	1,886.02	2,429.42	N/A	N/A
Total repairs made based on "other" methods	0.00	11.00	N/A	N/A
Total miles inspected using ECDA or "other" methods ⁽⁷⁾	2,047.78	2,772.55	1,027.76	717.24
Total repairs made based on ECDA or "other" methods ⁽⁷⁾	1.00	208.00	70.00	1
Miles of pipe by decade installed				
Pre-20 or Unknown	5,858.01	5,914.90	4,170.42	1,424.03
1920 - 1929	2,491.77	2,818.20	2,894.73	2,847.21
1930 - 1939	4,684.04	4,669.00	5,840.64	5,797.98
1940 - 1949	15,435.60	15,318.82	14,944.67	17,098.78
1950 - 1959	34,256.06	33,715.45	35,113.40	35,698.46
1960 - 1969	33,642.90	34,281.93	35,906.24	33,195.64
1970 - 1979	29,875.73	30,287.14	27,480.69	28,889.86
1980 - 1989	17,112.20	17,178.50	17,027.30	17,384.29
1990 - 1999	19,037.19	19,233.75	18,613.62	17,734.80
2000 - 2009	16,821.60	16,829.30	13,973.78	6,647.81
2010 - 2019	5,428.67	2,510.42	N/A	N/A
Total Miles of Regulated Gathering Lines	2,483.95	2,419.23	3,867.35	7,448.35

DATA SOURCE: <http://www.phmsa.dot.gov/portal/site/PHMSA/menuitem.ebdc7a8a7e39f2e55cf2031050248a0c/?vgnnextoid=a872dfa122a1d110vgnVCM1000009ed07898RCRD&vgnnextchannel=3430fb649a2dc110VgnVCM1000009ed07898RCRD&vgnnextfmt=print>

NOTES:

- ⁽¹⁾ Based on 2012 PHMSA data with a datafile date of 7/31/13, downloaded on 9/5/13.
- ⁽²⁾ Based on 2011 PHMSA data with a datafile date of 6/28/13, downloaded on 7/22/13.
- ⁽³⁾ 2011 and 2012 data characterize this as "CO2;" 2006 and 2009 data characterize this as "CO2 only" and contain an additional category of "CO2 or other nonflammable non-toxic fluids"
- ⁽⁴⁾ Reflecting another data category change between 2009 and 2011, "anhydrous ammonia" is no longer included as a category, and "fuel grade ethanol" has been added as a category.
- ⁽⁵⁾ 2011 and 2012 data refer to "anomalies repaired" and 2006 and 2009 data refer to "anomalies excavated."
- ⁽⁶⁾ 2006 & 2009 data refer to "total number of hydrostatic test failures repaired during calendar year", rather than specifying repairs due to testing.
- ⁽⁷⁾ 2006 & 2009 data group direct assessment and 'other' techniques together into a single category, and do not report them separately.