## Mandates/Recommendations and Miles for Gas Transmission

Parts Q & R data as-of 7-15-2013 All other Parts data as-of 7-1-2013

## 2011 Act § 23. Maximum Allowable Operating Pressure (Verification)

Verify records for gas transmission lines in class 3 and 4 areas (and any other HCA)

Complete Records not reported for 264,935 miles (86.3% total GT) outside of HCA in Classes 1 and 2

Records Incomplete for 5,402 miles – 12.0% of remaining miles in Classes 3 and 4 and any other HCA

2,497 miles in HCA

2,905 miles not in HCA

### NTSB Recommendation P-11-14

Delete the grandfather clause and require hydrostatic pressure test for all pre-1970 pipe

Grandfather MAOP – 619(c) 22,717 miles 7.4% total GT

21,132 miles outside of HCA in Class 1 and 2

853 miles in HCA and 732 miles outside HCA in Class 3

Pressure Test < 1.1 or No Pressure Test 93,791 miles 31.2% total GT

86,402 miles outside of HCA in Class 1 and 2

2,953 miles in HCA and 4,436 miles outside HCA in Class 3

## Expected miles Grandfathered and miles PT<1.1 to be the same, but PT<1.1 is over three times higher

pre-1970 177,460 miles 58.7% total GT

### NTSB Recommendation P-11-15

Manufacturing- and construction-related defects stable only for Pressure Test > 1.25 MAOP

Pressure Test < 1.25 MAOP 3,220 HCA 16.5% HCA miles

Expecting different solutions for:

Internal Inspection ABLE 1,483 HCA miles 7.8% HCA miles Internal Inspection NOT ABLE 1,737 HCA miles 8.7% HCA miles

### NTSB Recommendation P-11-17

Accommodate in-line inspection tools, with priority given to older pipelines

Internal Inspection NOT ABLE 119,010 miles 39.6% total GT
Diameter 8 inch and less 69,580 miles likely NOT ABLE due to size
NOT ABLE due to pipeline configuration 49,430 miles 16.5% total GT

## High/Unknown SMYS

20,270 miles operate over 72% SMYS or at unknown SMYS. Except for Special Permits, all of this pipe should be Grandfathered. Since over 22,700 are Grandfathered, all of these high/unknown-SMYS lines could be a subset of Grandfathered.

### Public Access to 2012 GT Annual Report Data

as-of 7-1-2013 xls and DRAFT Data Dictionary available in docket for Integrity Verification Process (IVP) <a href="http://www.regulations.gov/#!docketDetail;D=PHMSA-2013-0119">http://www.regulations.gov/#!docketDetail;D=PHMSA-2013-0119</a>

Monthly updates of the data planned to start on 8-5-2013

# **Grandfather and Incomplete Records Gas Transmission**

Time run: 7/16/2013 7:44:34 AM

Portal Data as of 7/15/2013 9:34:04 PM

# Geo Region: (All Column Values) Geo State: (All Column Values)

	Total Miles	% of Total Miles	HCA Miles	% of HCA Miles	non-HCA Miles	% of non-HCA Miles
Gas Transmission	306,985.01	100.0%	22,186.94	100.0%	284,798.07	100.0%
Grandfather MAOP – 619(c)	22,716.64	7.4%	852.90	3.8%	21,863.74	7.7%
Grandfather MAOP – 619(c) with Incomplete Records	319.04	0.1%	105.52	0.5%	213.52	0.1%
All MAOP Methods with Incomplete Records	5,402.22	1.8%	2,497.24	11.3%	2,904.98	1.0%

# **Grandfather and Incomplete Records Gas Transmission by Class Location**

Time run: 7/16/2013 7:44:34 AM

Portal Data as of 7/15/2013 9:34:04 PM

# Geo Region: (All Column Values) Geo State: (All Column Values)

		,					
		Total Miles	% of Total Miles	HCA Miles	% of HCA Miles	non-HCA Miles	% of non-HCA Miles
Click here to view detail reports	Class Location						
Gas Transmission	CLASS 1	237,967.59	77.5%	1,832.70	8.3%	236,134.89	82.9%
Gas Transmission	CLASS 2	30,327.43	9.9%	1,527.27	6.9%	28,800.16	10.1%
Gas Transmission	CLASS 3	37,618.53	12.3%	17,991.05	81.1%	19,627.48	6.9%
Gas Transmission	CLASS 4	1,071.46	0.3%	835.92	3.8%	235.55	0.1%
	То	al 306,985.01	100.0%	22,186.94	100.0%	284,798.07	100.0%
Grandfather MAOP – 619(c)	CLASS 1	19,849.54	6.5%	69.02	0.3%	19,780.52	6.9%
Grandfather MAOP - 619(c)	CLASS 2	1,376.74	0.4%	25.39	0.1%	1,351.35	0.5%
Grandfather MAOP – 619(c)	CLASS 3	1,438.40	0.5%	706.55	3.2%	731.85	0.3%
Grandfather MAOP - 619(c)	CLASS 4	51.96	0.0%	51.94	0.2%	0.02	0.0%
	То	al 22,716.64	7.4%	852.90	3.8%	21,863.74	7.7%
Grandfather MAOP – 619(c) with Incomplete Records	CLASS 1	9.38	0.0%	9.38	0.0%	0.00	0.0%
Grandfather MAOP – 619(c) with Incomplete Records	CLASS 2	1.63	0.0%	1.63	0.0%	0.00	0.0%
Grandfather MAOP – 619(c) with Incomplete Records	CLASS 3	307.99	0.1%	94.47	0.4%	213.52	0.1%
Grandfather MAOP – 619(c) with Incomplete Records	CLASS 4	0.04	0.0%	0.04	0.0%	0.00	0.0%
	То	al 319.04	0.1%	105.52	0.5%	213.52	0.1%
All MAOP Methods with Incomplete Records	CLASS 1	174.01	0.1%	174.01	0.8%	0.00	0.0%
All MAOP Methods with Incomplete Records	CLASS 2	115.39	0.0%	115.39	0.5%	0.00	0.0%
All MAOP Methods with Incomplete Records	CLASS 3	5,002.94	1.6%	2,124.09	9.6%	2,878.85	1.0%
All MAOP Methods with Incomplete Records	CLASS 4	109.88	0.0%	83.75	0.4%	26.13	0.0%
	То	al 5,402.22	1.8%	2,497.24	11.3%	2,904.98	1.0%

### Gas Transmission Miles by §192.619 MAOP Determination Method and Records Status

1.8%

Time run: 7/16/2013 7:44:35 AM
Portal- Data as of **7/15/2013 9:34:04 PM** 

Percent with Incomplete Records

### Geo Region: (All Column Values) Geo State: (All Column Values)

		(a)(1)		(a)(2)		(a)(3)		(a)(4)		(c)		(d)		Other		
		Incomplete		Incomplete		Incomplete		Incomplete		Incomplete		Incomplete		Incomplete		% of HCA
	(a)(1) Total	Records	(a)(2) Total	Records	(a)(3) Total	Records	(a)(4) Total	Records	(c) Total	Records	(d) Total	Records	Other Total	Records	HCA Miles	Miles
Class 1 (in HCA)	718.07	104.95	664.59	41.25	122.00	16.77	13.22	1.66	69.02	9.38	60.64		11.16		1,832.70	8.3%
Class 1 (not in HCA)	94,631.24		81,251.13		26,474.00		7,374.80		19,780.52		5,093.27		1,529.92			
Class 2 (in HCA)	773.72	65.10	484.06	39.42	76.77	8.39	7.40	0.85	25.39	1.63	35.33		9.21		1,527.27	6.9%
Class 2 (not in HCA)	12,288.34		10,864.07		2,646.63		982.15		1,351.35		258.29		409.33			
Class 3 (in HCA)	6,575.36	972.63	6,424.28	751.18	1,460.44	211.70	398.47	91.88	706.55	94.47	180.42		121.46	2.24	17,991.05	81.1%
Class 3 (not in HCA)	5,911.11	958.35	7,152.45	1,067.56	1,606.93	433.15	922.66	182.38	731.85	213.52	40.42		383.20	23.89		
Class 4 (in HCA)	97.19	18.32	567.94	56.80	14.11	6.53	7.52	2.07	51.94	0.04			13.47		835.92	3.8%
Class 4 (not in HCA)	45.12	23.56	121.32	1.41	2.01	1.07	2.42	0.10	0.02				38.53			
Total Miles	121,040.15	2,142.91	107,529.83	1,957.62	32,402.88	677.59	9,708.64	278.93	22,716.64	319.04	5,668.37		2,516.29	26.13	22,186.94	100.0%
Grand Total	306,985.01															

# **Gas Transmission Pressure Test and Internal Inspection Summary**

Time run: 7/16/2013 11:40:36 AM

Portal- Data as of 7/15/2013 9:34:04 PM

# Geo Region: (All Column Values) Geo State: (All Column Values)

	Miles	% of Total Miles	HCA Miles	% of HCA Miles	non-HCA Miles	% of non-HCA Miles
Pressure Test < 1.25 MAOP and Internal Inspection NOT ABLE	57,169.66	19.0%	1,737.45	8.8%	55,432.21	19.7%
Pressure Test < 1.25 MAOP and Internal Inspection ABLE	55,752.29	18.6%	1,482.61	7.5%	54,269.68	19.3%
Pressure Test < 1.1 or No Pressure Test and Internal Inspection NOT	50,787.32	16.9%	1,584.75	8.1%	49,202.57	17.5%
ABLE						
Pressure Test < 1.1 or No Pressure Test and Internal Inspection ABLE	43,003.48	14.3%	1,367.79	7.0%	41,635.70	14.8%

# **Gas Transmission Pressure Test and Internal Inspection by Class Location**

Time run: 7/16/2013 11:40:36 AM

Portal- Data as of 7/15/2013 9:34:04 PM

# Geo Region: (All Column Values) Geo State: (All Column Values)

	Miles	% of Total Miles	HCA Miles	% of HCA Miles	non-HCA Miles	% of non-HCA Miles
Class Location						
CLASS 1	45,783.12	15.2%	66.23	0.3%	45,716.89	16.3%
CLASS 2	6,088.27	2.0%	68.14	0.3%	6,020.12	2.1%
CLASS 3	5,134.78	1.7%	1,502.62	7.6%	3,632.16	1.3%
CLASS 4	163.50	0.1%	100.46	0.5%	63.04	0.0%
Т	otal 57,169.66	19.0%	1,737.45	8.8%	55,432.21	19.7%
CLASS 1	50,484.01	16.8%	210.95	1.1%	50,273.06	17.9%
CLASS 2	3,059.33	1.0%	106.36	0.5%	2,952.98	1.1%
CLASS 3	2,204.70	0.7%	1,161.34	5.9%	1,043.36	0.4%
CLASS 4	4.24	0.0%	3.96	0.0%	0.28	0.0%
Т	otal 55,752.29	18.6%	1,482.61	7.5%	54,269.68	19.3%
CLASS 1	40,167.48	13.4%	54.25	0.3%	40,113.23	14.3%
CLASS 2	5,664.51	1.9%	65.06	0.3%	5,599.45	2.0%
CLASS 3	4,832.72	1.6%	1,405.85	7.1%	3,426.87	1.2%
CLASS 4	122.61	0.0%	59.59	0.3%	63.02	0.0%
CLASS 1	38,242.59	12.7%	168.01	0.9%	38,074.58	13.6%
21.122.2	0.710.15	2.20/	20.10	0.504	0 / 15 00	0.004
CLASS 2	2,/13.45	0.9%	98.42	0.5%	2,615.03	0.9%
01.400.2	2.042.20	0.70/	1 007 00	F (0)	0.45.04	0.00/
CLASS 3	2,043.20	0.7%	1,097.39	5.6%	945.81	0.3%
CLASS 4	4 24	0.00/	2.04	0.00/	0.20	0.0%
CLASS 4	4.24	0.0%	3.90	0.0%	0.28	0.0%
	CLASS 1  CLASS 2  CLASS 4  T  CLASS 1  CLASS 2  CLASS 3  CLASS 4  T  CLASS 2  CLASS 4  CLASS 1  CLASS 1  CLASS 4	Class Location         45,783.12           CLASS 1         45,783.12           CLASS 2         6,088.27           CLASS 3         5,134.78           CLASS 4         163.50           Total 57,169.66           CLASS 1         50,484.01           CLASS 2         3,059.33           CLASS 3         2,204.70           CLASS 4         4.24           Total 55,752.29           CLASS 1         40,167.48           CLASS 2         5,664.51           CLASS 3         4,832.72           CLASS 4         122.61           Total 50,787.32           CLASS 1         38,242.59           CLASS 2         2,713.45           CLASS 3         2,043.20	Class Location         45,783.12         15.2%           CLASS 1         45,783.12         15.2%           CLASS 2         6,088.27         2.0%           CLASS 3         5,134.78         1.7%           CLASS 4         163.50         0.1%           Total 57,169.66         19.0%           CLASS 1         50,484.01         16.8%           CLASS 2         3,059.33         1.0%           CLASS 3         2,204.70         0.7%           CLASS 4         4.24         0.0%           Total 55,752.29         18.6%           CLASS 1         40,167.48         13.4%           CLASS 2         5,664.51         1.9%           CLASS 3         4,832.72         1.6%           CLASS 4         122.61         0.0%           CLASS 1         38,242.59         12.7%           CLASS 2         2,713.45         0.9%           CLASS 3         2,043.20         0.7%	Class Location         45,783.12         15.2%         66.23           CLASS 2         6,088.27         2.0%         68.14           CLASS 3         5,134.78         1.7%         1,502.62           CLASS 4         163.50         0.1%         100.46           Total 57,169.66         19.0%         1,737.45           CLASS 1         50,484.01         16.8%         210.95           CLASS 2         3,059.33         1.0%         106.36           CLASS 3         2,204.70         0.7%         1,161.34           CLASS 4         4.24         0.0%         3.96           Total 55,752.29         18.6%         1,482.61           CLASS 1         40,167.48         13.4%         54.25           CLASS 2         5,664.51         1.9%         65.06           CLASS 3         4,832.72         1.6%         1,405.85           CLASS 4         122.61         0.0%         59.59           Total 50,787.32         16.9%         1,584.75           CLASS 1         38,242.59         12.7%         168.01           CLASS 2         2,713.45         0.9%         98.42           CLASS 3         2,043.20         0.7%	Class Location         45,783.12         15.2%         66.23         0.3%           CLASS 2         6,088.27         2.0%         68.14         0.3%           CLASS 3         5,134.78         1.7%         1,502.62         7.6%           CLASS 4         163.50         0.1%         100.46         0.5%           Total 57,169.66         19.0%         1,737.45         8.8%           CLASS 1         50,484.01         16.8%         210.95         1.1%           CLASS 2         3,059.33         1.0%         106.36         0.5%           CLASS 3         2,204.70         0.7%         1,161.34         5.9%           CLASS 4         4.24         0.0%         3.96         0.0%           Total 55,752.29         18.6%         1,482.61         7.5%           CLASS 1         40,167.48         13.4%         54.25         0.3%           CLASS 2         5,664.51         1.9%         65.06         0.3%           CLASS 3         4,832.72         1.6%         1,405.85         7.1%           CLASS 4         122.61         0.0%         59.59         0.3%           Total 50,787.32         16.9%         1,584.75 <td< td=""><td>Class Location         CLASS 1         45,783.12         15.2%         66.23         0.3%         45,716.89           CLASS 2         6,088.27         2.0%         68.14         0.3%         6,020.12           CLASS 3         5,134.78         1.7%         1,502.62         7.6%         3,632.16           CLASS 4         163.50         0.1%         100.46         0.5%         63.04           Total 57,169.66         19.0%         1,737.45         8.8%         55,432.21           CLASS 1         50,484.01         16.8%         210.95         1.1%         50,273.06           CLASS 2         3,059.33         1.0%         106.36         0.5%         2,952.98           CLASS 3         2,204.70         0.7%         1,161.34         5.9%         1,043.36           CLASS 4         4.24         0.0%         3.96         0.0%         0.28           Total 55,752.29         18.6%         1,482.61         7.5%         54,269.68           CLASS 1         40,167.48         13.4%         54.25         0.3%         40,113.23           CLASS 2         5,664.51         1.9%         65.06         0.3%         5,599.45           CLASS 4         122.61<!--</td--></td></td<>	Class Location         CLASS 1         45,783.12         15.2%         66.23         0.3%         45,716.89           CLASS 2         6,088.27         2.0%         68.14         0.3%         6,020.12           CLASS 3         5,134.78         1.7%         1,502.62         7.6%         3,632.16           CLASS 4         163.50         0.1%         100.46         0.5%         63.04           Total 57,169.66         19.0%         1,737.45         8.8%         55,432.21           CLASS 1         50,484.01         16.8%         210.95         1.1%         50,273.06           CLASS 2         3,059.33         1.0%         106.36         0.5%         2,952.98           CLASS 3         2,204.70         0.7%         1,161.34         5.9%         1,043.36           CLASS 4         4.24         0.0%         3.96         0.0%         0.28           Total 55,752.29         18.6%         1,482.61         7.5%         54,269.68           CLASS 1         40,167.48         13.4%         54.25         0.3%         40,113.23           CLASS 2         5,664.51         1.9%         65.06         0.3%         5,599.45           CLASS 4         122.61 </td

## Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection

### Time run: 7/16/2013 11:40:36 AM

Portal- Data as of **7/15/2013 9:34:04 PM** 

### Geo Region: (All Column Values) Geo State: (All Column Values)

	1.25 MAOP > PT >= 1.1 MAOP	1.25 MAOP > PT >= 1.1 MAOP	PT < 1.1 or No PT	PT < 1.1 or No PT	PT >= 1.25 MAOP	PT >= 1.25 MAOP
	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE
Class Location						
Class 1 in HCA	42.94	11.98	168.01	54.25	1,168.81	210.61
Class 2 in HCA	7.93	3.08	98.42	65.06	1,045.17	189.01
Class 3 in HCA	63.95	96.77	1,097.39	1,405.85	9,318.55	3,879.57
Class 4 in HCA		40.87	3.96	59.59	362.25	285.47
in HCA Total	114.83	152.70	1,367.79	1,584.75	11,894.77	4,564.66
Class 1 not in HCA	12,198.48	5,603.66	38,074.58	40,113.23	95,707.56	43,160.64
Class 2 not in HCA	337.94	420.68	2,615.03	5,599.45	12,122.41	7,884.96
Class 3 not in HCA	97.56	205.29	945.81	3,426.87	5,869.91	6,195.35
Class 4 not in HCA		0.02	0.28	63.02	111.48	34.62
not in HCA Total	12,633.98	6,229.64	41,635.70	49,202.57	113,811.35	57,275.57
Total		6,382.34	43,003.48	50,787.32		
	Miles					Miles
1.25 MAOP > PT >= 1.1 MAOP	19,131.14			Miles Internal Inspection ABLE		181,458.41
PT < 1.1 or No PT	93,790.81			Miles Internal Inspection NOT ABLE		119,009.88
PT >= 1.25 MAOP	187,546.35				Grand Total	300,468.29
Grand Total	300,468.29					