

Class Location: One Class Out Summary

April 2014
Internal Use Only

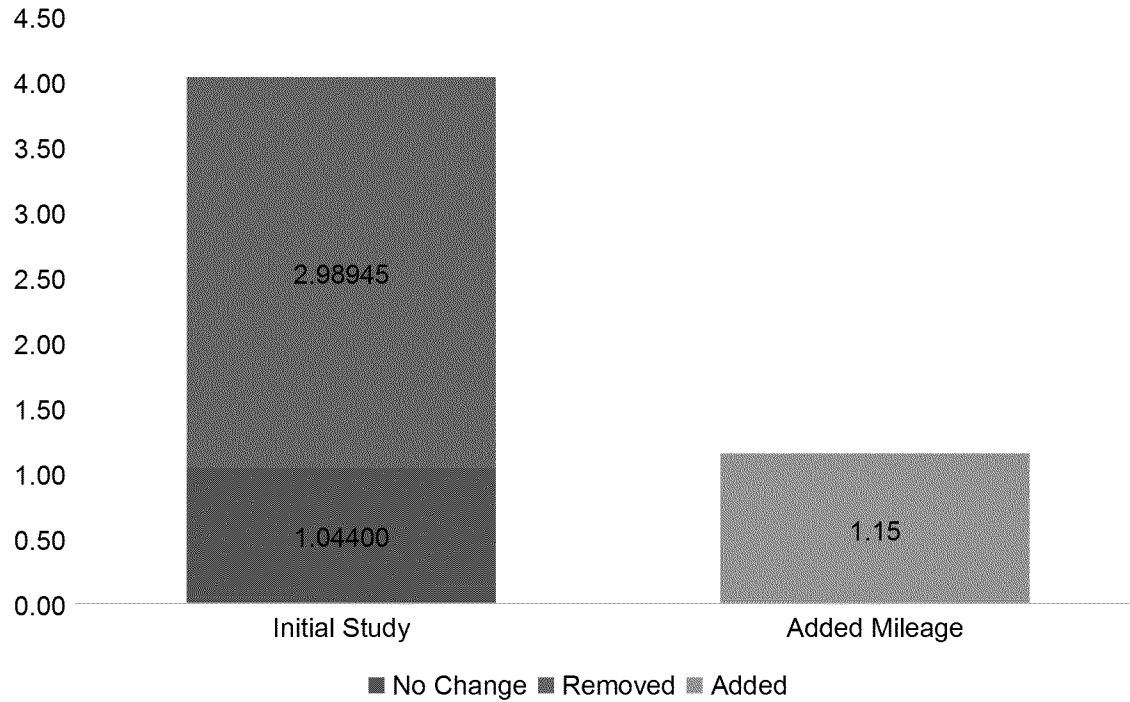




192.607 Mileage Summary

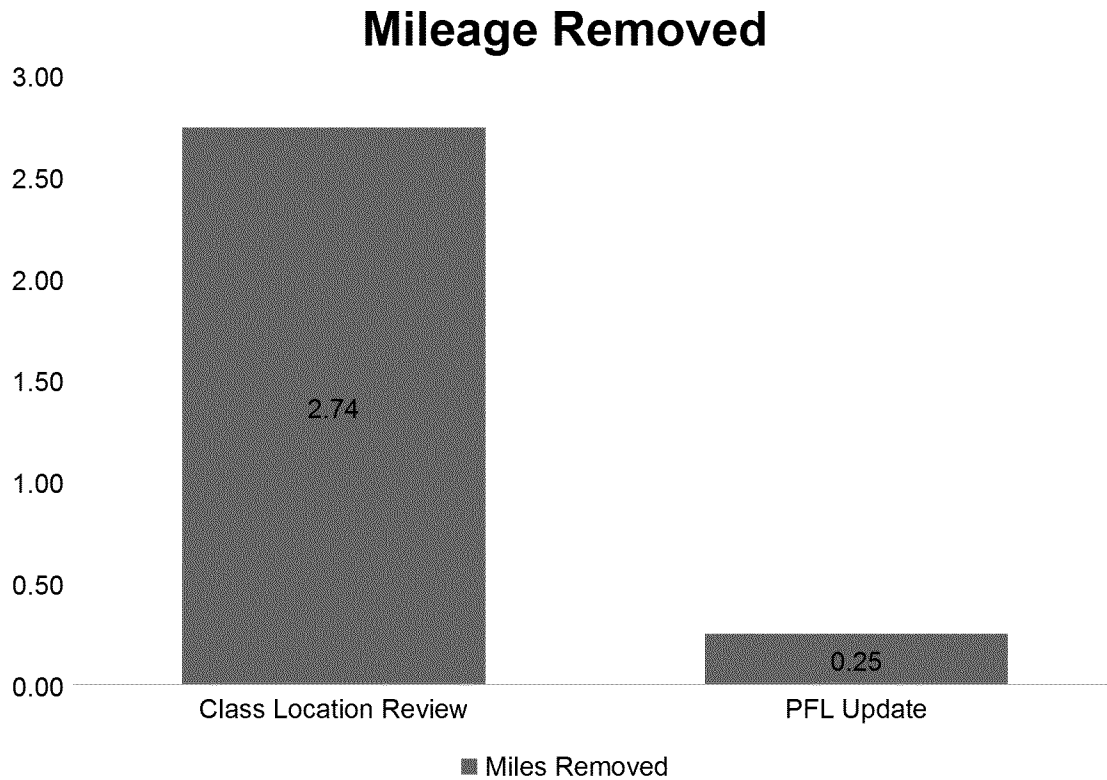
CFR 192.607 – Natural gas pipeline operators are to be in compliance with code requirements (CFR 192.611) to operate one class out by December 31, 1974.

CFR 192.607 Mileage Summary



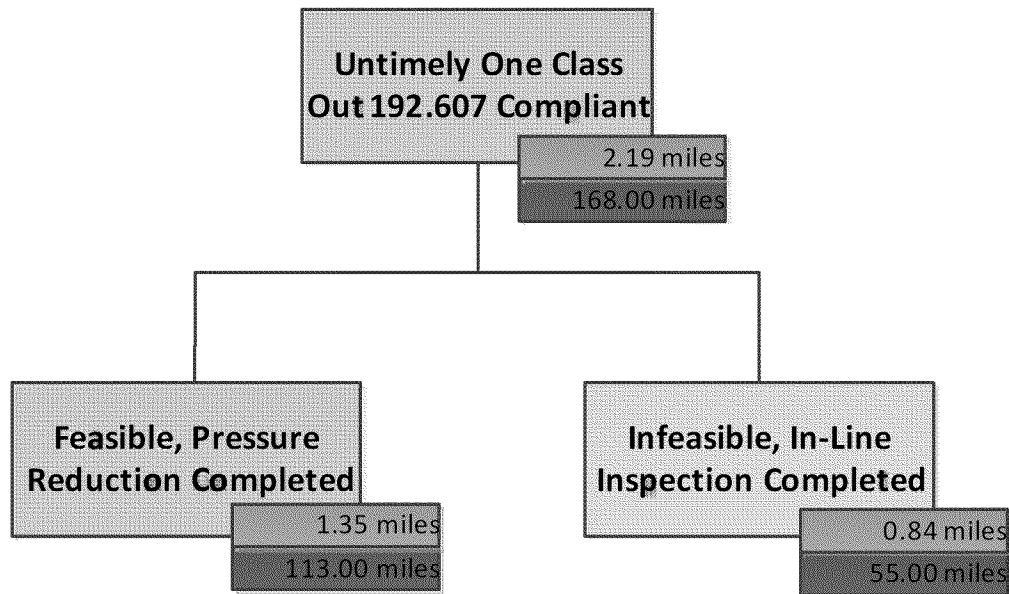
Initial study to SED included 4.03 miles affected by CFR 192.607

- No Change – Same pipeline features as initial study
- Removed – Pipeline segments removed from initial study (see next slide for reasons)
- Added – Affected pipeline features added since initial study





Approximately 2.99 miles removed from initial study due to further class location review and PFL updates

- Class Location Review – In-depth analysis using aerial photography, new pipeline centerline and as needed field verifications.
- PFL Update – PFL revision since preliminary study to SED

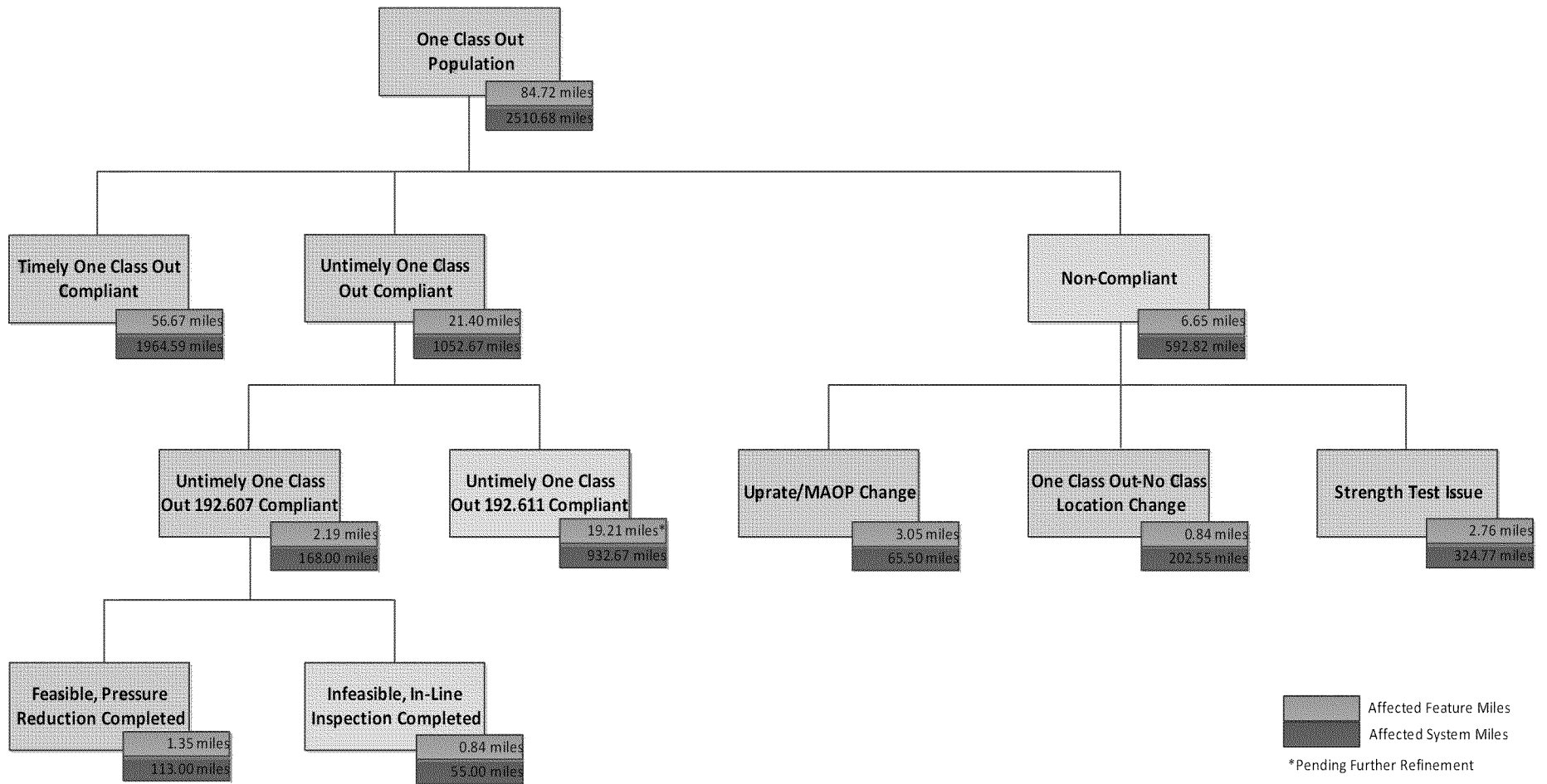


- Pressure reductions taken in areas with minimal short term system impact (1.35 miles)
- In-Line Inspection completed with no significant anomalies on 0.84 miles of infeasible pressure reduction mileage

 Affected Feature Miles
 Affected System Miles



One Class Out Summary

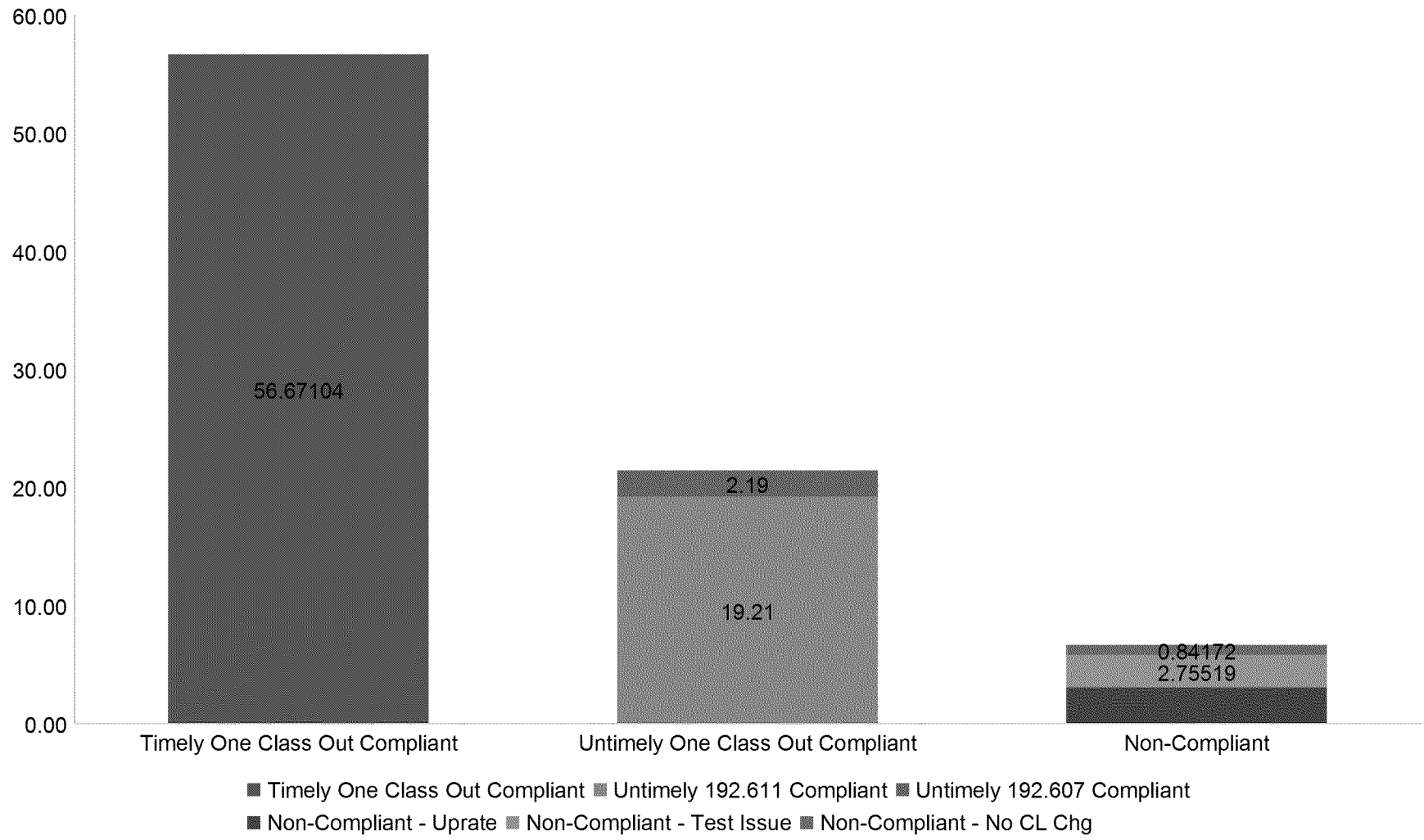


Affected Feature Miles
Affected System Miles
*Pending Further Refinement



One Class Out Mileage Summary

One Class Out Mileage Summary





Summary – One Class Out Non-Compliant

Issue No.	Route	Issue Mileage	Affected System Mileage	MAOP of R (psig)	Reduced Pressure (psig)	Summary	Pressure Reduction Status
Uprate/MAOP Change							
1	105B	0.28	45.5	473	437	Operating one class out after uprate	In Progress
2	300B	0.86	20.00	688	573	Operated two classes out after uprate. Currently operating one class out at reduced pressure.	Reduced
3	300B	1.91	20.00	688	573	Operating one class out after uprate	Reduced
No Class Location Change							
4	401	0.57	32.97	911	759	Operating one class out without class location change	TBD
5	401	0.25	32.97	942	813	Operating one class out without class location change	TBD
6	303	0.01	28.65	864	804	Operating one class out without valid strength test	In Progress
7	303	0.01	15.28	590	541	Operating one class out with invalid strength test	In Progress
8	1518-02	0.01	72.86	720	546	Operating two classes out without class location change	Reduced
9	109	0.02	52.79	375	300	Operating one class out without class location change	Reduced
Strength Test Issue							
10	304	1.27	15	825	823	Operating one class out with invalid strength test	Reduced
11	108	0.12	54.7	490	410	Operating one class out without valid strength test	Reduced
12	114	0.22	69.19	595	497	Operating one class out without valid strength test	Reduced
13	167	1.24	185.88	800	708	Operating one class out without valid strength test	Reduced
14	167-1	0.01	185.88	800	708	Operating one class out without valid strength test	Reduced



Detail – One Class Out Non-Compliant

Issue No.	Route	Approx. MP	Class Location	Pipe Specification	Install Year	Class Change Year	MAOP - R (psig)	%SMYS @ MAOP - R	Reduced MAOP (psig)	%SMYS @ Reduced MAOP	Issue	Affected Footage	Pressure Reduction Status
Uprate/MAOP Change													
1	105B	MP 4.11 - MP 4.39	3	24" API 5L - X42 0.2500"WT	1975	1976	473	54.1%	437	49.9%	Operating one class out after uprate in 2008. Class location did not change after uprate.	1,470	In Progress
2	300B	MP 144.49 - MP 144.60	3	34" API 5L - X52 0.3125" WT	1952	1960	688	71.9%	573	59.9%	Operated two classes out due to uprate in 2001. No class location change after uprate, at reduced pressure it is currently operating one class out.	4,567	Reduced
3	300B	MP 135.33 - MP 137.18, MP 143.3 - MP 144.07	2	34" API 5L - X52 0.3125" WT	1952	1984	688	71.9%	573	59.9%	Operating one class out due to uprate in 2001. No class location change after uprate.	10,056	Reduced
No Class Location Change													
4	401	MP 84.39 - MP 84.96	3	42" API 5L - X70 0.4560"WT	1992	N/A	911	59.9%	759	49.9%	Installed in a class 3 location, operating one class out without class location change.	2,990	TBD
5	401	MP 113.75 - MP 114	2	42" API 5L - X70 0.4070"WT	1993	N/A	942	69.4%	813	59.9%	Installed in a class 2 location, operating one class out without class location change.	1,344	TBD
6	303	MP 25.39 - MP 25.41	2	37.25" 50,000SMYS 0.5000"WT	1984	N/A	864	64.4%	804	59.9%	Installed in a class 2 location operating one class out. Sleeve operating one class out without strength test.	1	In Progress
7	303	MP 42.44 - MP 42.45	3	36" 52,000SMYS 0.3750"WT	1965	N/A	590	54.5%	541	49.9%	Installed in a class 3 location operating one class out. Mfg Bends operating one class out with invalid strength test (<8 hr).	6	In Progress
8	1518-02	MP 1.77 - MP 1.78	3	24" ASTM A-234 Grade B 0.3750"WT	2006	N/A	720	65.8%	546	49.9%	Installed in a class 3 location, operating two classes out without class location change.	1	Reduced
9	109	MP 35.82 - MP 36.34	3	30" API 5L - X42 0.3130"WT	1964	N/A	375	51.4%	300	41.1%	Installed in a class 3 location, operating one class out without class location change or valid strength test (<8hr).	102	Reduced
Strength Test issue													
10	304	MP 3.24 to MP 6.64	3	12.75" API 5L - X42 0.2500"WT	1963	1999	825	50.1%	823	49.9%	Operating one class out in a class 3 location with invalid strength test (<8hr).	6,717	Reduced
11	108	MP 48.15 - MP 48.2	3	16" 33,000SMYS 0.2500"WT	1930	1992	490	59.9%	410	49.7%	Operating one class out in a class 3 location, not strength tested.	228	Reduced
12	114	MP 16.75 - MP 16.86	3	22" ASTM A-234 Grade B 0.3130"WT	1961	2003	595	59.7%	497	49.9%	Operating one class out in a class 3 location, not strength tested.	1,167	Reduced
13	167	MP 23.39 - MP 23.67, MP 29.08 - MP 29.24	2	16" API 5L - X42 0.2810"WT	1954	1970	800	67.8%	708	59.9%	Operating one class out in a class 2 location, not strength tested.	6,434	Reduced
14	167-1	MP 6.54 - MP 6.55	3	8.625" 33,000SMYS 0.1880"WT	1951	2004	800	52.4%	708	46.4%	Operating one class out in a class 3 location, not strength tested.	1	Reduced