

# Releases from Onshore PL ROW

## 12 Month Rolling Average through December 31, 2018

		12 Month ; 3 YR Avg.		12 Month ; 3 YR Avg.		12 Month ; 3 YR Avg.		12 Month ; 3 YR Avg.	
RATES (Miles)					RATES (Bbl-Mi)				
		Number per 1,000 Miles		Barrels Spilled per Mile		Number per Bn Bbl-Mi		Barrels Spilled per Bn Bbl-Mi	
KM Total *	0.328	0.171	0.726	0.002	0.006	0.003	12.858	0.035	
Industry (US) **	0.408	0.431	0.261	0.347	0.015	0.016	9.690	12.863	

Failures involving onshore pipelines that occurred on the ROW, including valve sites, in which there is a release of the liquid or carbon dioxide transported resulting in any of the following: (a) Explosion or fire not intentionally set by the operator; (b) Release 5 **barrels** or greater; (c) Death of any person; (d) Personal injury necessitating hospitalization; (e) Estimated property damage, including cost of clean-up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding \$50,000. Not included: natural gas transportation assets.

KM total excludes non-DOT jurisdictional CO2 Gathering and Crude Gathering for compatibility with industry comparisons

Data averaged over 3 years for compatibility with other entries.

\* KM's 3 YR averages are for calendar years 2015-2017 and are calculated once a year.

\*\* All Industry averages are calculated once a year and 3 YR averages are for calendar years 2015-2017 due to PHMSA only collecting infrastructure data once a year.