

Description:

Incorrect units shown for first four entries under “Failure Rate” in Table 14.1. Missing values in “Failure Rate” and “Fatality Rate” columns. Missing references. Corrected table is shown below.

Table 14.1
Compilation of pipeline failure data for frequency estimates

Location	Type	Period	Length	Failure rate	Fatality rate (no. per failure)	Ref.
Canada	Oil/gas	1989–92	294,030 km	0.16 / 1000 km-year	0.025	95
USA	Oil/gas	1987–91	1,725,756 km	0.25 / 1000 km-year	0.043	95
USA	Oil	1982–91	344,649 km	0.55 / 1000 km-year	0.01	95
USA	Gas	1987–91	1,382,105 km	0.17 / 1000 km-year	0.07	95
USA	Gas transmission	1986–2002	300,000 miles	0.267 failures/1000 mile-year	0.043	18
USA	Refined products	1975–1999		0.68/1000 mile-year	0.0086	86
USA	Hazardous liquids	1975–1999		0.89/1000 mile-year	0.0049	86
USA	Crude oil	1975–1999		0.11/1000 mile-year	0.0024	86
USA	Hazardous liquid	1986–2002		0.75 / 1000 mile-year	0.08	18
Western Europe	Gas		1.2 million mile-year	0.29 /1000 mile-year		44