

**TABLE 8-6  
COMPARISON OF TOTAL PROJECT SPILL PROBABILITIES BASED  
ON EXPOSURE VARIABLES<sup>1</sup>**

Probability of One or More Oil Spills Greater than or Equal to 1,000 Barrels						
Alternative	Pipeline		Platform		Any Source	
	CONCAWE	MMS <sup>2</sup>	MMS	MMS	CONCAWE and MMS	MMS <sup>2</sup>
1	0	0	0	0	0	0
2	0.045 <sup>3</sup> (4.5%)	0.19 <sup>4</sup> (19%)	0.07(7%)	0.07(7%)	0.111 <sup>5</sup> (11%)	0.24 <sup>4</sup> (24%)
3	0.056 <sup>3</sup> (5.6%)	0.19 <sup>4</sup> (19%)	0.07(7%)	0.07(7%)	0.121 <sup>5</sup> (12%)	0.24 <sup>4</sup> (24%)
4	0.055 <sup>3</sup> (5.5%)	0.19 <sup>4</sup> (19%)	0.07(7%)	0.07(7%)	0.120 <sup>5</sup> (12%)	0.24 <sup>4</sup> (24%)
5	0.054 <sup>3</sup> (5.4%)	0.19 <sup>4</sup> (19%)	0.07(7%)	0.07(7%)	0.119 <sup>5</sup> (12%)	0.24 <sup>4</sup> (24%)

- Notes:
- 1 = Pipeline spill probabilities based on 158 million barrels.
  - 2 = All action alternatives yield the same spill probability because exposure factor of volume of oil produced does not change for these alternatives.
  - 3 = CONCAWE pipeline spill statistics used; based on spills exceeding 1,000 barrels.
  - 4 = Adjusting MMS OCS spill statistics to eliminate anchor and trawler damage to offshore pipelines results in an estimated probability of 5.2% for one or more pipeline spills and 11.6% for one or more spills from any source.
  - 5 = CONCAWE pipeline and MMS OCS platform spill statistics used.
  - % = Percent
  - CONCAWE = Conservation of Clean Air and Water in Europe
  - MMS = Minerals Management Service
  - OCS = Outer Continental Shelf

Source: Unless otherwise indicated, MMS OCS pipeline/platform spill statistics used (Anderson and LaBelle, 1994;11).