



OSA Risk Matrix

For the purposes of OSA guidance materials, the OSA has selected the below simplified 5x5 risk matrix to use in its guidance for learning educational purposes. OSA participants should select a risk matrix appropriate for its specific operations.

Likelihood Qualitative Descriptions	# of Barriers		Risk Level (Likelihood with confirmed Barriers and Consequence without Barriers)					
			6	7	8	9	10	
Expect to occur - Likely	0	5	Decreasing Likelihood 	6	7	8	9	10
Conditions may allow to occur - Occasional	1	4		5	6	7	8	9
Exceptional conditions may allow to occur - Seldom	2	3		5	5	6	7	8
Reasonable to expect will not occur - Unlikely	3	2		3	4	5	6	7
Has occurred once in the industry - Remote	≥4	1		2	3	4	5	6
Consequence Descriptions and Index (without Barriers)			← Decreasing Consequence → 					
			Consequence Category	1	2	3	4	5
			Health and Safety	Incidental	Minor	Moderate	Major	Severe
			Environment	Limited on pad spill, temporary impact, remediation efforts require less than 1 week cleanup	Localized spill on pad or immediate surrounding areas, remediation efforts require between 1 week to 6 months to cleanup	Localized spill on pad and or surrounding areas, remediation efforts take between 6 months to 1 year to cleanup	Long-term, widespread impact, remediation requires 1 to 5 years to cleanup	Long-term, widespread impact, restoration is greater than 5 years