

Appendix A

Risk Tolerance Matrix

RISK VALUE	DEFINITION	PROBABILTY OF OCCURANCE
5	Frequent	Likely to occur many times (daily)
4	Occasional	Likely to occur sometimes
3	Remote	Unlikely, but possible to occur
2	Improbable	Very unlikely to occur
1	Extremely Improbable	Almost inconceivable that event will occur

RISK VALUE	SEVERITY OF OCCURANCE
5	Catastrophic; multiple deaths, extreme damage
4	Hazardous; death, serious property, environmental damage
3	Major; OSHA recordable injury, property, environmental damage
2	Minor; First Aid, limited damage
1	Statistically recordable, no injury or damage

Once the Probability and Severity values of the occurrence (a & b above) are determined, together they will provide the Risk Assessment value for that occurrence. This is typically displayed as a matrix (see below).

		SEVERITY				
		Catastrophic	Hazardous	Major	Minor	Negligible
PROBABILITY	Frequent	5	5	4	3	1
	Occasional	5	4	4	2	1
	Remote	4	4	2	2	1
	Improbable	3	2	2	1	1
	Extremely Improbable	2	2	1	1	1

Appendix A

RISK ASSESSMENT VALUE AND RESULTANT ACTIONS

ASSESSMENT OF RISK LEVEL		RISK ACCEPTANCE OR MITIGATION CRITERIA
Unacceptable Risk Level 5		Risk level of hazard/occurrence is Unacceptable under existing circumstances. Stop work! Do not permit any operation until sufficient control measures have been implemented to reduce risk to a lower level.
Safety Officer Review & Approval Risk Level 4		<p>Risk level of hazard/occurrence classified as Acceptable with Mitigation or Approval. Lowering the risk level will require reducing either the severity or probability (or both).</p> <p>Operation without implementation of risk control and mitigation will require Safety Officer and/or Club President approval.</p>
Operational Caution Risk Level 3		<p>Risk level of hazard/occurrence classified as Acceptable with Operational Caution. Lowering the risk level may require reducing either the severity or probability (or both).</p> <p>Operation without implementation of risk control and mitigation should be conducted with caution.</p>
Acceptable		Acceptable with no further action needed under the existing circumstances.
Risk Level 1	Risk Level 2	