

Appendix J: Risk Register for the Macondo Well

Risk Rating Matrix - customize the matrix in the SETUP worksheet

		Type of Impact											
		Health & Safety	Environment: Threats	Environment: Opportunities	Reputation: Threats	Reputation: Opportunities	Cost	Schedule	Production	Reserves	NPV		
Impact Level	One or more fatalities	Damage long-term and/or extensive	-	Outrage. Prosecution. Possible loss of operating license	Commended by NGO at international level. Global recognition	> 10 \$M	> 12.75 days	> 0.1 of Project Production*	> 0.15 of Project Reserves*	> 0.1 of Project NPV*			Very High
	Serious injury or DAFWC. HiPo	Short-term damage within facility boundary	Long-term and/or extensive improvement	Involvement of regulator	Commended by NGO at national level. Recognition within country	3 - 10 \$M	3.4 - 12.75 days	0.03 - 0.1 of Project Production*	0.04 - 0.15 of Project Reserves*	0.03 - 0.1 of Project NPV*			High
	Recordable injury, first aid, serious occurrence	Rapid on-site clean-up	Short-term improvement within facility boundary	Complaints from local community	Commended by NGO at local level. Recognition within area	1 - 3 \$M	0.85 - 3.4 days	0.01 - 0.03 of Project Production*	0.01 - 0.04 of Project Reserves*	0.01 - 0.03 of Project NPV*			Medium
	No impact	No impact	Minor enhancement	Minimal impact	recognised positive contribution within BP	< 1 \$M	< 0.85 days	< 0.01 of Project Production*	< 0.01 of Project Reserves*	< 0.01 of Project NPV*			Low

Probability

Very Low	Could only occur as the result of multiple, independent system or control failures. Future occurrence is thought most unlikely. No comparable occurrence is known.
Low	Could result from a plausible combination of system or control failures. Would probably occur if the system were to be operated for long enough. Comparable events are known to have occurred in the past.
Moderate	Could result from the failure of a single system or control. Could be expected to occur if this operation were repeated regularly. Comparable events are within the team's direct experience.
High	Uncontrolled. Will occur whenever circumstances are unfavorable. Comparable events are frequent.

Manageability

Low	Project Management Team can only influence impact. Risk reduction measures are unlikely to be cost-effective.
Medium	Project Management Team can influence probability and / or impact. Risk reduction measures will be roughly cost-neutral.
High	Project Management Team can control probability and / or impact. Risk reduction measures will be highly cost-effective

Prob-Impact Grid

		Probability / Frequency			
		Very Low < 1%	Low 1 - 5%	Moderate 5 - 25%	High > 25%
Impact Level	Very High	Mod.	High	V. High	V. High
	High	Low	Mod.	High	V. High
	Medium	V. Low	Low	Mod.	High
	Low	V. Low	V. Low	Low	Mod.

