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Risk Assessment Matrix

Wellards Integrated Live Export Facility

Report Number 23919.80896



Prepared for



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1. Risk Assessment Methodology

The risk assessment model used assumes the risk of an impact to be a function of two factors – the likelihood of occurrence and severity of the consequence. These are assessed on a rating scale of 1 – 5. Table 1 gives an explanation of each of these ratings and Table 2 shows the Risk Matrix

Table 1 Explanation of risk assessment ratings

Likelihood	Severity	Notes
Very likely (almost certain) (5)	Negligible (1)	No change in measured environmental sentinel parameters.
Likely (4)	Minor (2)	Short term impact; one day of dust generation with a (visual) complaint received from public
Possible (3)	Moderate (3)	Measureable change in condition of environment (eg groundwater nutrient content)
Unlikely (2)	Significant (4)	Change in environmental condition causing impact (eg Fish kill)
Very unlikely (1)	Severe (5)	Loss of habitat, significant ongoing community complaint

Table 2 Risk matrix

		Consequence				
		1	2	3	4	5
Likelihood		Negligible	Minor	Moderate	Significant	Severe
5	Very likely	Low	Medium	Medium	High	High
4	Likely	Low	Low	Medium	High	High
3	Possible	Low	Low	Medium	Medium	Medium
2	Unlikely	Low	Low	Low	Medium	Medium
1	Very unlikely	Low	Low	Low	Medium	Medium

Risk Rating is calculated by multiplying the likelihood against the consequences.

High risk equals 16 to 25. High Risks activities should cease immediately until further control measures to mitigate the risk are introduced.

Medium risk equals 9 to 15. Medium Risks should only be tolerated for the short-term and then only whilst further control measures to mitigate the risk are being planned and introduced, within a defined time period. Note: Medium risks can be an organisations greatest risk, its Achilles heel; this is due to the fact that they can be tolerated in the short-term.

Low risk equals 1 to 8. Low Risks are largely acceptable, subject to reviews periodically, or after significant change.