

Koeberg - EIA process

Ecology

Significance Rating Table

De-Commissioning / Rehabilitation Phase

Alternative 1

Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)		Status (+ve or -ve)	Confidence
Soil erosion and associated degradation of ecosystems	Nature of impact:	Bare and disturbed areas created during decommissioning will be highly vulnerable to wind erosion due to the strong winds the area							
	with	1	2	2	3	15	Low	-	Medium
	without	1	3	4	4	32	Medium	-	Medium
	degree to which impact can be reversed:	Moderate - Provided that large amounts of wind erosion does not occur, this impact can be arrested and reversed.							
	degree of impact on irreplaceable resources:	Low - As the extent of the development is low, significant loss of irreplaceable resources is unlikely							
Alien Plant Invasion	Nature of impact:	Alien plant species are likely to dominate disturbed areas following decommissioning							
	with	1	2	2	3	15	Low	-	High
	without	1	4	4	4	36	Medium	-	High
	degree to which impact can be reversed:	Moderate to High depending on the severity of invasion							
	degree of impact on irreplaceable resources:	Low as the affected area is already disturbed							
	Nature of impact:								
	with								
	without								
	degree to which impact can be reversed:								
	degree of impact on irreplaceable resources:								

Alternative 4

Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)		Status (+ve or -ve)	Confidence
Soil erosion and associated degradation of ecosystems	Nature of impact:	Bare and disturbed areas will be highly vulnerable to wind erosion due to the strong winds the area experiences							
	with	1	2	2	3	15	Low	-	Medium
	without	1	3	4	4	32	Medium	-	Medium
	degree to which impact can be reversed:	Moderate - Provided that large amounts of erosion does not occur, this impact can be arrested and reversed.							
	degree of impact on irreplaceable resources:	Low - As the extent of the development is low, significant loss of irreplaceable resources is unlikely							
Alien Plant Invasion	Nature of impact:	Alien plant species are highly likely to dominate disturbed areas following decommissioning							
	with	1	2	2	3	15	Low	-	High
	without	1	4	4	4	36	Medium	-	High
	degree to which impact can be reversed:	Moderate to High depending on the severity of invasion							
	degree of impact on irreplaceable resources:	Low as the affected area is already disturbed & degraded							
	Nature of impact:								
	with								
	without								
	degree to which impact can be reversed:								
	degree of impact on irreplaceable resources:								

Transmission Line - Alternative 4

Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)		Status (+ve or -ve)	Confidence
Alien Plant Invasion	Nature of impact:	Alien plant species are highly likely to dominate disturbed areas following decommissioning							
	with	1	2	2	3	15	Low	-	High
	without	1	4	4	4	36	Medium	-	High
	degree to which impact can be reversed:	Moderate to High depending on the severity of invasion							
	degree of impact on irreplaceable resources:								

	degree of impact on irreplaceable resources:	Low as the affected area is already disturbed & degraded						
	Nature of impact:							
	with							
	without							
	degree to which impact can be reversed:							
	degree of impact on irreplaceable resources:							