

Kalabasfontein Project-Impact Significance Ratings: Socio-Economic

IMPACT DESCRIPTION			PRE - MITIGATION					POST - MITIGATION					IMPACT PRIORITISATION											
Impact	Alternative	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-mitigation ER	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-mitigation ER	Confidence	Public response	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score		
Dust (health and nuisance impact)	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Safety and Security (i.e. access to properties, theft, fire hazards, etc)	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Damage/ Disruption of services (i.e. water, electricity)	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Impact on Existing Infrastructure (i.e. roads, fences, etc.)	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Perceptions and Expectations	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Employment Opportunities	Alternative 2	Construction	1	2	4	4	4	5	-17.5	1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Inability of the community to capture economic	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Loss of agricultural resource	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Damage to property and infrastructure due	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Increase in traffic on adjacent road network resulting in additional damage to the roads	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Increase traffic incidences due to additional haulage	Alternative 2	Construction	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Dust (health and nuisance impact)	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Safety and Security (i.e. access to properties, theft, fire hazards, etc)	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Damage/ Disruption of services (i.e. water, electricity)	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Impact on Existing Infrastructure (i.e. roads, fences, etc.)	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Perceptions and Expectations	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Employment Opportunities	Alternative 2	Operation	1	2	4	4	4	5	-17.5	1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Inability of the community to capture economic	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Loss of agricultural resource	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Damage to property and infrastructure due	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Increase in traffic on adjacent road network resulting in additional damage to the roads	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Increase traffic incidences due to additional haulage	Alternative 2	Operation	-1	2	4	4	4	5	-17.5	-1	2	4	4	4	4	-14	Medium	1	1	1	1	1.00	-14.00	
Dust (health and nuisance impact)	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Safety and Security (i.e. access to properties, theft, fire hazards, etc)	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Damage/ Disruption of services (i.e. water, electricity)	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Impact on Existing Infrastructure (i.e. roads, fences, etc.)	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Perceptions and Expectations	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Employment Opportunities	Alternative 3	Construction	1	2	3	4	3	4	-12	1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Inability of the community to capture economic	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Loss of agricultural resource	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Damage to property and infrastructure due	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Increase in traffic on adjacent road network resulting in additional damage to the roads	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Increase traffic incidences due to additional haulage	Alternative 3	Construction	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Dust (health and nuisance impact)	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Safety and Security (i.e. access to properties, theft, fire hazards, etc)	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Damage/ Disruption of services (i.e. water, electricity)	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Impact on Existing Infrastructure (i.e. roads, fences, etc.)	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Perceptions and Expectations	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Employment Opportunities	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Inability of the community to capture economic	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Loss of agricultural resource	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Damage to property and infrastructure due	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Increase in traffic on adjacent road network resulting in additional damage to the roads	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Increase traffic incidences due to additional haulage	Alternative 3	Operation	-1	2	3	4	3	4	-12	-1	2	2	2	2	3	2	-4.5	Medium	1	1	1	1	1.00	-4.50
Dust (health and nuisance impact)	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Safety and Security (i.e. access to properties, theft, fire hazards, etc)	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Damage/ Disruption of services (i.e. water, electricity)	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Impact on Existing Infrastructure (i.e. roads, fences, etc.)	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Perceptions and Expectations	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Employment Opportunities	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Inability of the community to capture economic	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Loss of agricultural resource	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Damage to property and infrastructure due	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	
Increase in traffic on adjacent road network resulting in additional damage to the roads	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1	1.00	0.00	

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Increase traffic incidences due to additional haulage	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Dust (health and nuisance impact)	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Safety and Security (i.e. access to properties, theft, fire hazards, etc)	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Damage/ Disruption of services (i.e. water, electricity)	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Impact on Existing Infrastructure (i.e. roads, fences, etc.)	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Perceptions and Expectations	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Employment Opportunities	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Inability of the community to capture economic opportunities	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Loss of agricultural resource	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Damage to property and infrastructure due to increased traffic	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Increase in traffic on adjacent road network resulting in additional damage to the roads	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Increase traffic incidences due to additional haulage	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00