

Impact	Phase	Pre-Mitigation							Pre-mitigation ER	Post Mitigation						Post-mitigation ER	Confidence	Priority Factor Criteria			
		Nature	Extent	Duration	Magnitude	Reversibility	Probability	Nature		Extent	Duration	Magnitude	Reversibility	Probability	Cumulative Impact			Irreplaceable loss	Priority Factor	Final score	
Disturbance / destruction of sites of heritage significance	Construction	-1	2	5	3	5	2	-7,5	-1	1	5	1	2	1	-2,25	High	1	2	1,13	-2,53125	
Disturbance / destruction of palaeontological resources	Construction	-1	1	5	4	5	2	-7,5	-1	1	5	2	2	1	-2,5	Medium	1	2	1,13	-2,8125	
Destruction, loss and fragmentation of the vegetation community	Construction	-1	3	2	4	1	4	-10	-1	4	2	1	1	3	-6	Medium	1	2	1,13	-6,75	
Introduction or spread of alien plant species	Construction	-1	2	2	2	1	4	-7	-1	2	1	2	1	3	-4,5	Medium	2	1	1,13	-5,0625	
Introduction or spread of alien plant species	Operation	-1	2	2	2	1	3	-5,25	-1	2	1	2	1	2	-3	Medium	1	1	1,00	-3	
Introduction or spread of alien plant species	Rehab and closure	-1	2	2	2	1	2	-3,5	-1	2	1	2	1	2	-3	Medium	1	1	1,00	-3	
Erosion due to stormwater runoff	Operation	-1	2	3	2	2	2	-4,5	-1	2	3	1	2	2	-4	Medium	2	1	1,13	-4,5	
Mortality / disturbance of wildlife due to increased human presence and use of machinery and vehicles.	Construction	-1	2	2	5	5	4	-14	-1	2	2	3	4	4	-11	Medium	2	3	1,38	-15,125	
Soils and Agricultural Potential Impacts	Construction	-1	2	5	1	3	3	-8,25	-1	2	5	1	3	2	-5,5	Medium	1	2	1,13	-6,1875	
Soils and Agricultural Potential Impacts	Operation	-1	3	1	1	3	3	-6	-1	2	5	1	2	2	-5	Medium	1	2	1,13	-5,625	
Wetlands Impacts	Construction	-1	2	4	4	4	5	-17,5	-1	2	4	3	3	3	-9	Medium	1	2	1,13	-10,125	
Aquatic Biodiversity Impacts	Operation	-1	2	4	4	3	4	-13	-1	2	4	1	2	3	-6,75	Medium	1	2	1,13	-7,59375	
Health impacts	Operation	-1	2	5	3	5	3	-11,25	-1	2	5	1	5	2	-6,5	Medium	1	3	1,25	-8,125	
Health impacts	Rehab and closure	-1	2	5	3	5	3	-11,25	-1	2	5	1	5	2	-6,5	Medium	1	3	1,25	-8,125	
Noise impacts	Construction	-1	2	2	1	4	1	-2,25	-1	2	2	1	4	1	-2,25	Medium	1	1	1,00	-2,25	
Noise impacts	Operation	-1	2	3	1	4	1	-2,5	-1	2	3	1	4	1	-2,5	Medium	1	1	1,00	-2,5	
Surface water quality	Construction	-1	4	2	4	3	3	-9,75	-1	2	2	2	3	3	-6,75	Medium	2	1	1,13	-7,59375	
Surface water quality	Operation	-1	4	4	4	3	3	-11,25	-1	2	3	2	3	3	-7,5	Medium	2	1	1,13	-8,4375	
Surface water quality	Rehab and closure	-1	4	4	4	3	3	-11,25	-1	2	3	2	3	3	-7,5	Medium	2	1	1,13	-8,4375	
Groundwater quality	Operation	-1	3	4	4	4	3	-11,25	-1	3	4	4	3	3	-10,5	Medium	2	1	1,13	-11,8125	
Groundwater quality	Rehab and closure	-1	3	4	4	4	3	-11,25	-1	3	4	4	3	3	-10,5	Medium	2	1	1,13	-11,8125	
Air quality	Construction	-1	3	2	2	5	4	-12	-1	3	2	1	2	4	-8	Medium	2	1	1,13	-9	
Air quality	Operation	-1	3	4	3	3	5	-16,25	-1	3	4	2	5	4	-14	Medium	2	1	1,13	-15,75	
Air quality	Decommissioning	-1	3	2	2	5	4	-12	-1	3	2	1	2	4	-8	Medium	2	1	1,13	-9	
Air quality	Rehab and closure	-1	3	2	2	5	4	-12	-1	3	2	1	2	4	-8	Medium	2	1	1,13	-9	
Visual - Change of Landscape Character	Construction	-1	3	2	3	5	2	-6,5	-1	3	2	1	5	2	-5,5	Medium	1	1	1,00	-5,5	
Visual - Change of Landscape Character	Operation	-1	3	4	3	5	3	-11,25	-1	3	4	3	5	2	-7,5	Medium	1	1	1,00	-7,5	
Visual - Change of Landscape Character	Decommissioning	-1	3	2	3	5	2	-6,5	-1	3	2	1	5	2	-5,5	Medium	1	1	1,00	-5,5	
Visual - Impact on Urban Edge, Adjacent Roads and towns	Construction	-1	3	2	3	5	2	-6,5	-1	3	2	1	5	2	-5,5	Medium	1	1	1,00	-5,5	
Visual - Impact on Urban Edge, Adjacent Roads and towns	Operation	-1	3	4	3	5	3	-11,25	-1	4	4	2	5	2	-7,5	Medium	1	1	1,00	-7,5	
Visual - Impact on Urban Edge, Adjacent Roads and towns	Decommissioning	-1	3	2	3	5	2	-6,5	-1	3	2	1	5	2	-5,5	Medium	1	1	1,00	-5,5	
Employment opportunities	Planning	1	3	2	1	1	3	5,25	1	2	1	1	4	3	6	Medium	1	1	1,00	6	
Employment opportunities	Construction	1	3	2	2	1	3	6	1	2	2	1	4	3	6,75	Medium	1	1	1,00	6,75	
Employment opportunities	Operation	1	3	4	4	1	3	9	1	4	4	1	4	3	9,75	Medium	1	1	1,00	9,75	
Employment opportunities	Decommissioning	1	3	2	2	1	3	6	1	2	2	1	4	3	6,75	Medium	1	1	1,00	6,75	
Employment opportunities	Rehab and closure	1	3	2	2	1	3	6	1	2	2	1	4	3	6,75	Medium	1	1	1,00	6,75	
Expectations regarding creation of opportunities	Planning	-1	3	2	2	1	3	-6	-1	3	2	1	1	3	-5,25	Medium	1	1	1,00	-5,25	
Impacts of traffic on people – dust, noise, safety – from a social and nuisance perspective	Operation	-1	3	2	2	1	3	-6	-1	3	2	1	1	3	-5,25	Medium	1	1	1,00	-5,25	
Negative perceptions relating to the risk of TSF failure.	Operation	-1	3	2	2	1	3	-6	-1	3	2	1	1	3	-5,25	Medium	1	1	1,00	-5,25	
Impacts on livelihoods of landowners.	Operation	-1	3	2	2	1	3	-6	-1	3	2	1	1	3	-5,25	Medium	1	1	1,00	-5,25	
Influx of people – also possible social disintegration and cultural differentiation, increase in HIV/AIDS etc.	Construction	-1	3	2	2	1	3	-6	-1	3	2	1	1	3	-5,25	Medium	1	1	1,00	-5,25	