

PROPOSED N3 ROAD UPGRADES BETWEEN DURBAN AND CEDARA KWAZULU-NATALCAPACITY UPGRADES TO THE N3 FROM THE CATO RIDGE INTERCHANGE (KM19.4) TO LYNNFIELD PARK INTERCHANGE (KM 30.6).

14. APPENDIX D - RISK ASSESSMENT MATRIX

Sites	Type	Phase	Activity	Aspect	Impact	Severity	Spatial Extent	Duration	Consequence	Likelihood	Significance	Risk Rating	Notes
N3-04-01 N3-04-02	Riparian	Construction Phase	Upgrade of Tar road	Water contamination/pollution	Impeding the flow of water. Siltation of watercourse. Erosion of water course removal of vegetation.	2	1	2	5	11	55	L	
				Siltation of riparian zone		1.75	1	2	4.75	9	42.75	L	
				Clearing of vegetation in close proximity to or in a riparian zone		2	1	2	5	9	45	L	
		Operational Phase	Tar road	Infilling of riparian zone		1.75	1	3	5.75	9	51.75	L	Frequency of activity and frequency of impact lowered to account for an upgrade of existing infrastructure (existing impact). Minimal impact area due to the linear nature of the activity
				Water contamination/pollution.		2	1	2	5	9	45	L	Under normal conditions i.e. excluding contamination from major accidents/spills
				Increased storm water flows		1.75	1	2	4.75	8	38	L	
N3-04-05	Wetland	Construction Phase	Upgrade of Tar road	Water contamination/pollution	Impeding the flow of water. Siltation of watercourse. Erosion of water course removal of vegetation.	1.5	1	2	4.5	11	49.5	L	
				Siltation of riparian zone		1.25	1	2	4.25	9	38.25	L	
				Clearing of vegetation in close proximity to or in a riparian zone		1	1	2	4	9	36	L	
		Operational Phase	Tar road	Infilling of riparian zone		1	1	3	5	9	45	L	Frequency of activity and frequency of impact lowered to account for an upgrade of existing infrastructure (existing impact). Minimal impact area due to the linear nature of the activity
				Water contamination/pollution.		1.5	1	2	4.5	9	40.5	L	Under normal conditions i.e. excluding contamination from major accidents/spills
				Increased storm water flows		1.75	1	2	4.75	8	38	L	
N3-04-03 N3-04-04	Wetland	Construction Phase	Upgrade of Tar road	Water contamination/pollution	Impeding the flow of water. Siltation of watercourse. Erosion of water course removal of vegetation.	1.25	1	2	4.25	11	46.75	L	
				Siltation of riparian zone		1.25	1	2	4.25	9	38.25	L	
				Clearing of vegetation in close proximity to or in a riparian zone		1	1	2	4	9	36	L	
		Operational Phase	Tar road	Infilling of riparian zone		1	1	3	5	9	45	L	Frequency of activity and frequency of impact lowered to account for an upgrade of existing infrastructure (existing impact). Minimal impact area due to the linear nature of the activity
				Water contamination/pollution.		1.5	1	2	4.5	9	40.5	L	Under normal conditions i.e. excluding contamination from major accidents/spills
				Increased storm water flows		1.75	1	2	4.75	8	38	L	