

		Pre-Mitigation							Post Mitigation								Priority Factor Criteria			
Impact	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-mitigation ER	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-mitigation ER	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score
Implementation of the NNR-approved decommissioning plan	Rehab and closure	1	2	5	4	5	4	16	1	2	5	4	5	4	16	Medium	1	1	1,00	16
Leaching and migration of radionuclides from the TSF during the post-closure phase	Rehab and closure	-1	3	5	1	3	2	-6	-1	3	5	1	3	2	-6	Medium	1	1	1,00	-6
Groundwater contamination	Operation	-1	4	4	4	4	4	-16	-1	2	3	2	2	2	-4,5	Medium	2	2	1,25	-5,625
Erosion of soils and sedimentation of surface water features	Operation, decommissioning, rehab and closure	-1	1	2	2	2	2	-3,5	-1	1	2	2	2	2	-3,5	Medium	3	1	1,25	-4,375
Pollutants entering the surface water environment	Operation, decommissioning, rehab and closure	-1	5	2	5	5	1	-4,25	-1	5	2	5	5	1	-4,25	Medium	3	3	1,50	-6,375
Decrease in run-off	Operation, decommissioning, rehab and closure	-1	1	1	1	1	5	-5	-1	1	1	1	1	5	-5	High	1	1	1,00	-5
Flood risk	Operation, decommissioning, rehab and closure	-1	4	1	5	5	1	-3,75	-1	4	1	5	5	1	-3,75	Low	1	3	1,25	-4,6875
Siltation of water resources	Operation	-1	2	4	1	2	3	-6,75	-1	1	4	1	1	2	-3,5	High	2	1	1,13	-3,9375
Erosion of water resources	Operation	-1	2	4	1	2	3	-6,75	-1	1	4	1	1	2	-3,5	High	2	1	1,13	-3,9375
Altering of Hydrological Regime	Operation	-1	2	4	1	3	2	-5	-1	1	4	1	2	2	-4	High	2	1	1,13	-4,5
Proliferation of Alien Vegetation	Operation	-1	2	4	1	3	3	-7,5	-1	1	4	1	2	2	-4	High	2	1	1,13	-4,5
Impaired Water Quality	Operation	-1	2	4	1	3	2	-5	-1	1	4	1	2	1	-2	High	2	1	1,13	-2,25
Wetland disturbance and decrease in functionality	Operation	-1	2	4	1	3	2	-5	-1	1	4	1	1	2	-3,5	High	2	1	1,13	-3,9375
Phytoremediation for Groundwater Pollution	Operation	-1	3	4	3	3	2	-6,5	-1	2	3	2	2	2	-4,5	High	2	1	1,13	-5,0625