ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, herewith please receive an environmental impact statement that summarises the impact that the prospecting activity may have on the environment after the management and mitigation of impacts have been considered, with specific reference to types of impact, duration of impacts, likelihood of potential impacts occurring and the significance of impacts.

ENVIRONMENTAL IMPACT STATEMENT

FINAL PROJECT PROPOSAL

	TYPE OF IMPACT	DURATION	LIKELIHOOD	<u>SIGNIFICANCE</u>
	Loss of agricultural land for duration of	Duration of site establishment phase	Definite	Medium Concern
*	mining. Visual intrusion because of site establishment.	(±1 months)	Definite	Low-Medium Concern
*	Impact on vegetation structure and plant species composition.		Definite	Low-Medium Concern
*	Impact on protected plant species within mining footprint.		Low Possibility	Low Concern
*	Potential change of natural runoff and drainage patterns.		Low Possibility	Low Concern
*	Potential impact on areas/infrastructure of heritage or cultural concern as a result of		Low Possibility	Low Concern
*	mining activities. Additional job opportunities because of the mining operation (Positive Impact)		Definite	High (+)
Stripping and Stockpiling of Topsoil			LIKELIHOOD	SIGNIFICANCE
* *	Visual intrusion caused by mining activities. Loss of stockpiled topsoil during mining and stockpiling.	Duration of operational phase	Definite Low Possibility	Low-Medium Concern Low Concern
*	Dust nuisance because of the disturbance of soil.	(Maximum 5 years)	Possible	Low Concern
*	Noise nuisance generated by earthmoving machinery.		Low Possibility	Low Concern
*	Infestation of the topsoil heaps and mining area with invader plant species.		Low Possibility	Low Concern
*	Potential increase in runoff from bare areas and associated accelerated erosion.		Low Possibility	Low Concern
*	Potential contamination of footprint area and surface runoff because of hydrocarbon spillages/bad waste management practices.		Low Possibility	Low Concern

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Excavation, Loading and Hauling to Processing Area		LIKELIHOOD	SIGNIFICANCE
Visual intrusion associated with the excavation activities.	Duration of operational phase	Definite	Low-Medium Concern
Dust nuisance due to excavation and from loading and vehicles transporting the material.	(Maximum 5 years)	Low Possibility	Low Concern
Noise nuisance because of the mining activities.		Low Possibility	Low Concern
 Unsafe working environment for employees. 		Low Possibility	Low Concern
 Soil contamination from hydrocarbon spills and/or littering. 		Low Possibility	Low Concern
Facilitation of erosion due to mining activities.		Low Possibility	Low Concern
Potential impact on palaeontological features.		Low Possibility	Low Concern
Deterioration of the internal access road to		Low Possibility	Low-Medium Concern
the mining area as a result of transporting			
material from site and/or overloading.			
Crushing, Screening and Stockpiling of Material		LIKELIHOOD	SIGNIFICANCE
Dust nuisance generated at the processing plant.	Duration of	Low Possibility	Low Concern
Noise nuisance stemming from operation of the processing plant.	operational phase (Maximum 5 years)	Low Possibility	Low Concern
Potential contamination of environment due to improper waste management.		Low Possibility	Low Concern
Infestation of the area with invader plant species.		Low Possibility	Low Concern
Potential increase in runoff from bare areas and associated accelerated erosion.		Low Possibility	Low Concern
Loss of stockpiled material due to ineffective stormwater control.		Low Possibility	Low Concern
Increased fire risk due to mining activities.		Low Possibility	Low Concern
Cumulative Impacts		LIKELIHOOD	SIGNIFICANCE
Cumulative impact on overall species and ecosystem diversity.	Duration of operational phase	Low Possibility	Low Concern
 Cumulative impact of invader plants in both the borrow pit and surrounding areas. 	(Maximum 5 years)	Possible	Low-Medium Concern
 Cumulative on the internal access road when borrow pit is operational. 		Possible	Low-Medium Concern

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Sloping, Landscaping and Rehabilitation upon Closure of the Site	<u>LIKELIHOOD</u> <u>SIGNIFICANCE</u>
Duratio	
❖ Safety risk posed by un-sloped areas. decommis	sioning Low Possibility Low Concern
Erosion of returned topsoil after phase (±3 rehabilitation.	nonths) Low Possibility Low Concern
Infestation of the reinstated areas by invader plant species.	Low Possibility Low Concern
❖ Potential impact associated with litter/waste left at the mining area.	Low Possibility Low Concern
Return of the mining area to agricultural use upon closure (Positive Impact)	Definite Medium-High (+)